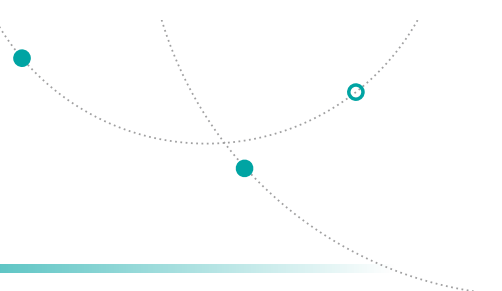




MMIC Die Chip Selection Guide

 南京舜特科通信技术有限公司
Sainty-Tech Communications Limited

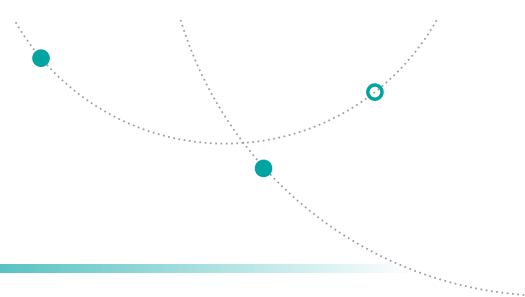
| April 2022



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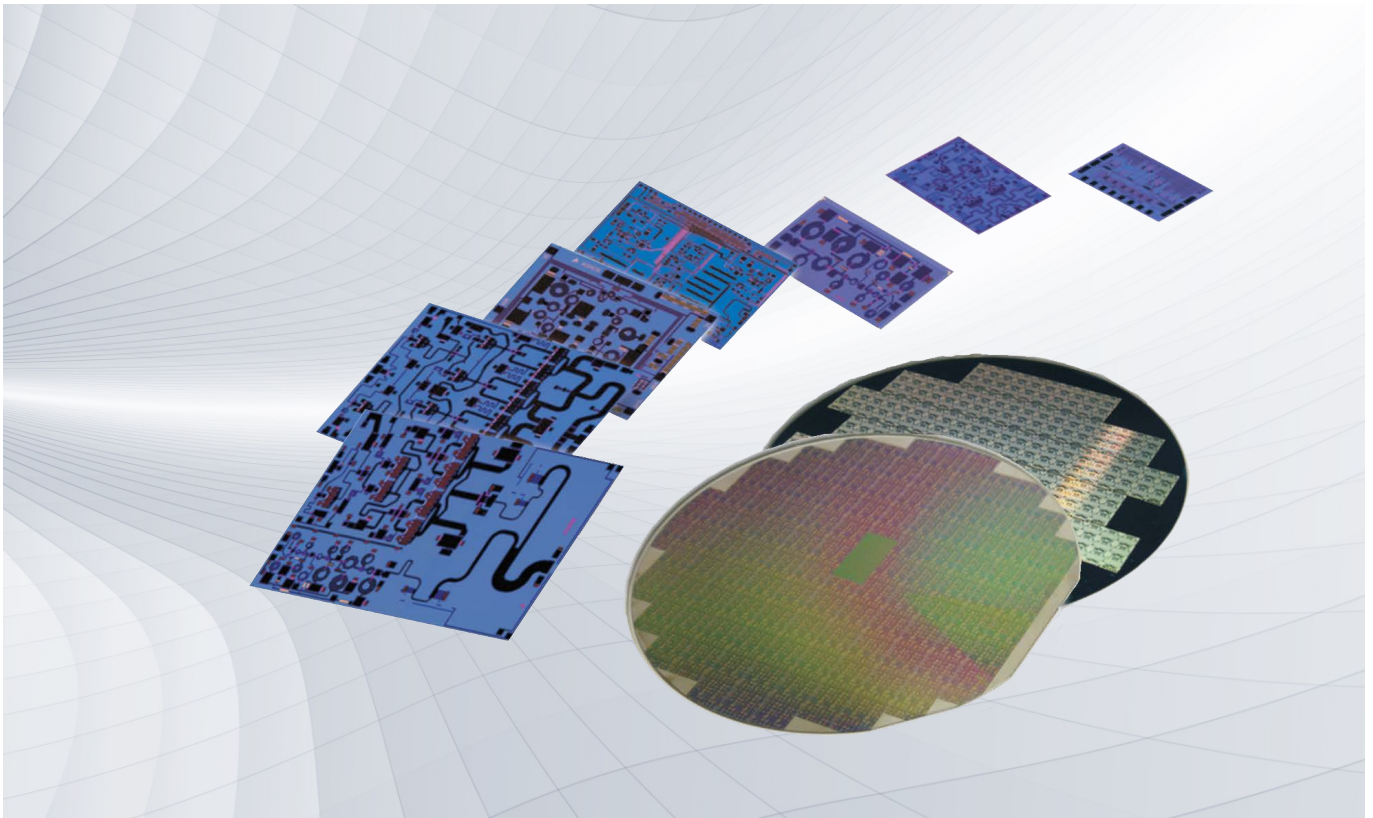
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INTRODUCTION

Monolithic microwave integrated circuit, or MMIC, is a type of integrated circuit (IC) device that operates at microwave frequencies (300 MHz to 300 GHz). Based on in house GaAs (Gallium Arsenide) and GaN (Gallium Nitride) Foundry, we' re able to provide a wide range of MMIC die chips such as amplifiers, mixers, switches as well as some passive circuits.

These MMIC die chips are used for applications like radar, EW, automobile telematics and sensors, radio and wireless communication sets, satellite remote sensing and telemetry.

You' re welcomed to visit our website to get the most updated product information and data sheets.



Part Number	Low Freq. (GHz)	High Freq. (GHz)	Pout (dBm)	Vd (V)	Gp (dB)	Id (A)	PAE (%)	Linear Gain (dB)	Iq (A)	VSWRin	Mode	Dimension (mm)	Datasheet
SFDN003020-P43	0.3	2	43	48	26	1.2	45	35	0.66	1.7	CW	3.3*2.2*0.08	N/A
SFDN003020-P33	0.3	2	33	28	20	0.36	26	28	0.13	1.6	CW	2.8*1.75*0.08	N/A
SFDN005042-P33	0.5	4.2	34	28	24	0.45	22	27.5	0.25	2.5	CW	2.0*2.35*0.08	N/A
SFDN008020-P44-1	0.8	2	44	48	26	1.2	45	35	0.8	1.7	CW	3.3*2.2*0.08	N/A
SFPN012014-P48	1.2	1.4	49	28	25	4.8	66	33	3.8	1.5	Pulse	8.0*7.6*1.0	N/A
SFDN019025-P42	1.9	2.5	43	28	23	1.3	55	34	0.9	1.3	CW	3.2*2.3*0.08	N/A
SFDN020060-P44-2	2	6	44	28	19	3.5	35	30	2	1.8	CW	5.4*4.5*0.08	N/A
SFDN020085-P33	2	8.5	33	28	21	0.36	30	26	0.26	2.5	CW	2.6*1.9*0.08	N/A
SFDN020060-P44-1	2	6	44	28	19	3.3	36	29	2.2	2	CW	5.4*4.5*0.08	N/A
SFDN020180-P31	2	18	31	28	18	0.5	12	24	0.35	2.5	CW	3.5* 2.2* 0.08	N/A
SFDN020060-P43-2	2	6	44.5	28	20	3.5	35	33	2.2	1.5	CW	5.4*4.5*0.08	N/A
SFDN020060-P43	2	6	44.5	28	20	3	35	35	2.2	2	CW	4.1*3*0.08	N/A
SFDN020065-P36	2	6.5	36	28	17	0.6	40	28.5	0.4	2.5	CW	2.15*1.4*0.08	N/A
SFDN020040-P27	2	4	29	28	23	0.13	27	26	0.052	1.5	CW	2.35*2*0.08	N/A
SFDN020060-P37	2	6	37	28	22	0.65	35	30	0.44	1.5	CW	4.8*2.8*0.08	N/A
SFDN020040-P45	2	4	46	28	21	3.5	40	28	2	1.8	CW	3.5*4.6*0.08	N/A
SFDN020080-P44	2	8	44	28	16	4	30	22	2.5	2.5	CW	3.5*4.6*0.08	N/A
SFDN020065-P44	2	6.5	44	28	19	3.2	35	27	2.5	2.5	CW	3.35*4.6*0.08	N/A
SFDN020065-P32	2	6.5	33	28	17	0.3	38	23	0.2	2.5	CW	1.4*2.15*0.09	N/A
SFDN020060-P45	2	6	45	28	21	3.5	38	27	2.5	2.5	CW	3.5*4.6*0.08	N/A
SFDN020060-P44	2	6	44	28	20	3.1	33	28	2.5	2.5	CW	2.9*4.6*0.08	N/A
SFDN020060-P43-1	2	6	43	28	15	2.6	35	25	2	2.5	CW	3.5*4.1*0.08	N/A
SFDN020060-P41	2	6	41	28	18	1.5	38	30	0.6	2.5	CW	2.3*3.1*0.08	N/A
SFDN020200-P40-1	2	20	40	28	8	1.5	17	10	0.9	2.5	CW	5.0*2.2*0.08	N/A
SFDN020180-P40-3	2	18	40	28	15	2.2	20	23	1.2	2.5	CW	3.5*5*0.08	N/A
SFDN020180-P40-2	2	18	40	28	15	2.2	20	23	1.2	2.5	CW	3.5*4.8*0.08	N/A
SFDN020180-P35	2	18	35	28	8	0.9	20	12	0.6	2.5	CW	3.3*1.8*0.08	N/A
SFDN020180-P31-1	2	18	31	28	17	0.7	15	23	0.4	2	CW	3.5*2.2*0.08	N/A
SFDN020120-P28	2	12	28	28	17	0.6	15	24	0.4	2.2	CW	2.2*3.4*0.08	N/A
SFDN027035-P45-1	2.7	3.5	46	48	26	1.65	48	33	0.7	1.2	Pulse	3.2*2.3*0.08	N/A
SFDN027035-P35	2.7	3.5	36	28	22	0.32	50	30	0.22	1.5	CW	3.1*2.2*0.08	N/A
SFDN027035-P49	2.7	3.5	50.5	40	21.5	5.65	51	30	2.88	1.6	Pulse	5.6*4.4*0.08	N/A

Part Number	Low Freq. (GHz)	High Freq. (GHz)	Pout (dBm)	Vd (V)	Gp (dB)	Id (A)	PAE (%)	Linear Gain (dB)	Iq (A)	VSWRin	Mode	Dimension (mm)	Datasheet
SFDN027062-P45	2.7	6.2	45	28	20	3.5	35	30	2.5	2.5	CW	3.5*4.6*0.08	N/A
SFDN027062-P44	2.7	6.2	44	28	21	3.5	32	33	2	2	CW	5.4*4.5*0.08	N/A
SFDN027062-P42	2.7	6.2	42	28	21	2.4	32	33	1.2	2	CW	5.4*4.5*0.08	N/A
SFDN027035-P41	2.7	3.5	42	28	24	1.1	52	31	0.7	1.5	CW	3.2*2.3*0.08	N/A
SFDN027062-P43	2.7	6.2	43	28	20	3	32	33	1.7	2	CW	5.4*4.5*0.08	N/A
SFDN040100-P44	4	10	44	28	21	3.1	38	33	3.1	1.5	CW	3.8*3.1*0.08	N/A
SFDN040080-P47-2	4	8	47	28	18	6	40	23	4.3	1.6	CW	3.6*5.6*0.08	N/A
SFDN040060-P45	4	6	46.5	28	21	3.3	47	28	1.8	1.5	CW	4.0*4.6*0.08	N/A
SFDN050130-D41C28	5	13	41	28	18	1.6	35	32	0.7	2	PL	3.5*3*0.08	N/A
SFDN050060-P41-2	5	6	41.5	28	21	0.95	55	27	0.65	1.3	CW	2.6*1.6*0.08	N/A
SFDN050060-P41-1	5	6	41.5	28	21	0.95	55	27	0.65	1.3	CW	2.2*1.6*0.08	N/A
SFDN050060-P41	5	6	42	28	17	1.1	50	22	0.8	1.2	CW	3.3*2.3*0.08	N/A
SFDN050060-P40	5	6	41	28	17	0.85	53	26	0.7	1.2	CW	3.2*2.3*0.08	N/A
SFDN050060-P39	5	6	40	28	16	0.8	50	25	0.7	1.2	CW	3.2*2.3*0.08	N/A
SFDN050060-P37	5	6	37	28	22	0.33	60	28	0.2	1.2	CW	2.6*2*0.08	N/A
SFDN050060-P48-1	5	6	49	28	26	5.5	53	32	3.6	1.2	Pulse	3.7*5.5*0.08	N/A
SFDN050120-P46-1	5	12	46	28	21	5.5	30	30	3.3	1.5	CW	4.0*5.2*0.08	N/A
SFDN050110-P46	5	10.5	46	28	20	4	38	33	2.5	2.5	CW	4.0*4.6*0.08	N/A
SFDN050140-P42	5	14	42	28	20	2	38	30	1	2.5	CW	3.65*2.4*0.08	N/A
SFDN050120-P42	5	12	42	28	20	2	38	30	1	2.5	CW	3.65*2.4*0.08	N/A
SFDN050090-P43	5	9	43	28	20	1.8	50	32	0.7	2.5	CW	2.0*3.5*0.08	N/A
SFDN050090-P42	5	9	42	28	20	1.2	52	32	1	2.5	CW	2.0*3.5*0.08	N/A
SFDN050060-P27-3	5	6	27	28	21	0.18	20	25	0.15	2	CW	1.8*1.3*0.08	N/A
SFDN052060-P44	5.2	6	44	28	17	1.7	53	27	1.4	1.5	CW	3.2*3*0.08	N/A
SFDN050065-P30	6	6.5	30.5	28	24.5	0.11	39	31.4	0.1	1.7	CW	1.8*1.3*0.08	N/A
SFDN060180-P43	6	18	43.5	28	18	4.2	22	30	2.5	2.5	CW	4.5*5.2*0.08	N/A
SFDN060180-P41-1	6	18	41	28	16	2.3	25	28	1.5	2.5	CW	3.55*3.5*0.08	N/A
SFDN060180-P38	6	18	38	28	18	1.1	26	28	0.7	2.5	CW	3.0*1.8*0.08	N/A
SFDN060180-P35	6	18	35	28	18	0.5	28	25	0.4	2.5	CW	2.0*3.0*0.08	N/A
SFDN060180-P25	6	18	26	28	20	0.18	/	22	0.1	2.5	CW	1.45*2.4*0.08	N/A
SFDN060180-P22	6	18	22	28	8	0.05	/	11	0.05	2.5	CW	1.3*1.5*0.08	N/A
SFDN060180-P40-2	6	18	40	28	9	1.5	22	10	0.9	2.5	CW	4.5*2.2*0.08	N/A

Part Number	Low Freq. (GHz)	High Freq. (GHz)	Pout (dBm)	Vd (V)	Gp (dB)	Id (A)	PAE (%)	Linear Gain (dB)	Iq (A)	VSWRin	Mode	Dimension (mm)	Datasheet
SFDN064072-P44	6.4	7.2	45	28	21	2.2	50	26	2.3	2.5	Pulse	3.2*3*0.08	N/A
SFDN070110-P30	7	11	30	28	20	0.18	20	22	0.17	2.5	CW	2.2*1.4*0.08	N/A
SFDN070130-P25	7	13	25	28	6	0.1	15	7	0.08	2.5	CW	1.35*1.35*0.08	N/A
SFDN070110-P47	7	11	47	28	19	5	48	29	2.8	1.8	Pulse	3.5*5.3*0.08	N/A
SFDN070085-P41	7	8.5	41	28	23	1.1	47	33	0.8	1.8	CW	3.2*2.5*0.08	N/A
SFDN080120-P40-2	8	12	40.5	28	20	1	42	33	0.6	1.5	PL	2.8*1.5*0.08	N/A
SFDN080120-P46-2	8	12	46	28	21	3.1	47	36	2	1.5	PL	3.7*3.1*0.08	N/A
SFDN080120-P38-2	8	12	38	28	18	0.6	44	25	0.4	1.8	CW	2.8*1.9*0.08	N/A
SFDN080180-P42	8	18	43	28	20	3	27	28	2	1.6	Pulse	3.4*2.63*0.08	N/A
SFDN080180-P30	8	18	30	28	26	0.3	/	29	0.2	2.5	Pulse	2.4*1.45*0.08	N/A
SFDN080180-P44-1	8	18	44	28	18	3.5	30	30	2.5	2.5	CW	3.1*3.5*0.08	N/A
SFDN080120-P42-4M	8	12	41.8	28	23.8	1.35	45	31	0.8	2	PL	2.8*1.6*0.08	N/A
SFDN080120-P42-4	8	12	41.8	28	23.8	1.35	45	31	0.8	2	PL	2.8*1.6*0.08	N/A
SFDN080120-P41-5	8	12	41	28	21	1.2	45	33	0.6	2	CW	2.5*1.6*0.08	N/A
SFDN080120-P38-1	8	12	37.5	28	16.5	0.5	45	23	0.3	2	CW	2.6*1.1*0.08	N/A
SFDN080120-P48	8	12	49	28	21	6.3	47	33	3	2	Pulse	5.3*4.5*0.08	N/A
SFDN080120-P44-2	8	12	44.5	28	23.5	2.7	45	31	1.8	2	CW	2.5*2.7*0.08	N/A
SFDN080120-P43-2	8	12	43.5	28	22	2.4	50	33	1.2	2	Pulse	2.4*2.8*0.08	N/A
SFDN080120-P42-1	8	12	42.5	28	21	1.6	49	30	1	2	Pulse	2.4*2.2*0.08	N/A
SFDN080120-P46	8	12	48	28	21	7	40	35	3	2.5	Pulse	3.5*3.8*0.08	N/A
SFDN080120-P47-2	8	12	47	28	19	5.5	48	29	3	1.8	Pulse	3.5*5.3*0.08	N/A
SFDN080120-P27-2	8	12	27	28	21	0.18	20	26	0.16	2	CW	2.2*1.4*0.08	N/A
SFDN080120-P27-1	8	12	27	28	15	0.16	15	18	0.15	2	CW	1.9*1.4*0.08	N/A
SFDN080120-P26	8	12	27	28	19	0.13	25	22	0.1	2	CW	1.8*1.4*0.08	N/A
SFDN080090-P48-3	8	9	48	28	23	5.5	48	25	3.5	2	Pulse	4.0*3.7*0.08	N/A
SFDN080090-P48	8	9	48	28	21	5.5	48	30	0.14	2	Pulse	4.0*3.5*0.08	N/A
SFDN085105-P28-1	8.5	10.5	28	28	11	0.14	18	17	0.02	1.1	CW	2.0*1.4*0.08	N/A
SFDN085105-P44	8.5	10.5	44.5	28	23.5	2.3	51	32	1.3	1.5	Pulse	2.9*2.8*0.08	N/A
SFDN085160-P26	8.5	16	26	28	15	0.13	/	17	0.12	1.7	CW	1.8*1.2*0.08	N/A
SFDN085105-P28	8.5	10.5	29	28	16	0.14	18	19	0.13	1.2	CW	2.0*1.4*0.08	N/A
SFDN085105-P46-1	8.5	10.5	46	28	23	3.7	42	30	2.4	1.6	CW	3.5*5.3*0.08	N/A
SFDN085105-P47	8.5	10.5	47	28	19	5	48	31	3	1.6	Pulse	5.3*3.5*0.08	N/A

Part Number	Low Freq. (GHz)	High Freq. (GHz)	Pout (dBm)	Vd (V)	Gp (dB)	Id (A)	PAE (%)	Linear Gain (dB)	Iq (A)	VSWRin	Mode	Dimension (mm)	Datasheet
SFDN085105-P46	8.5	10.5	47	28	24	4	48	33	2.4	1.6	Pulse	3.5*5.3*0.08	N/A
SFDN090100-P44-1	9	10	44.5	28	23.5	2	52	31	1.2	1.5	PL	2.9*2.8*0.08	N/A
SFDN090100-P42	9	10	42.5	24	23.5	1.18	56	33	0.06	1.3	Pulse	2.4*2.5*0.08	N/A
SFDN090100-P37	9	10	38	24	17	0.4	50	0.4	0.65	1.5	Pulse	2.5*1.8*0.08	N/A
SFDN090100-P46	9	10	46	28	24	3	51	31	2	1.5	Pulse	3*3*0.08	N/A
SFDN090100-P45	9	10	45	28	23	2.5	52	30	2.4	1.2	Pulse	2.9*2.8*0.08	N/A
SFDN090100-P41	9	10	40.5	24	22.5	1	50	30	0.6	2	CW	2.5*1.6*0.08	N/A
SFDN090130-P45	9	13	46	28	22	3	47	34	1.2	2.5	CW	2.92*3.8*0.08	N/A
SFDN100180-P25-2	10	18	26	28	16	0.15	15	23	0.14	2	CW	2.18*1.5*0.08	N/A
SFDN100180-P44-1	10	18	44	28	19	2.5	35	30	2	2	CW	3.1*3.4*0.08	N/A
SFDN100180-P44	10	18	44	28	19	3.5	33	30	2	2.5	Pulse	3.0*3.3*0.08	N/A
SFDN100180-P43	10	18	43	28	20	3	33	30	2	2.5	Pulse	3.0*3.3*0.08	N/A
SFDN100180-P27-2	10	18	27	28	15	0.22	15	20	0.2	2	CW	2.2*1.2*0.08	N/A
SFDN100180-P25-1	10	18	26	28	16	0.15	15	22	0.14	2	CW	1.8*1.5*0.08	N/A
SFDN110120-P48	11	12	48	28	24	6.2	40	31	4.5	1.2	Pulse	3.6*5.3*0.08	N/A
SFDN0186H(FREQ 2)	12	18	41.5	24	23.5	2.2	37	30	1.4	2	Pulse	3*2.8*0.05	N/A
SFDN120180-P47	12	18	47.5	28	20	6.7	38	30	5.5	2	Pulse	3.4*5.7*0.08	N/A
SFDN140180-P47	14	18	47	28	20	6	32	29	3.5	2	CW	3.4*5.6*0.08	N/A
SFDN140180-P43-2	14	18	43.5	28	22	2.7	40	33	1.8	2	Pulse	2.75*2.5*0.08	N/A
SFDN140180-P42-2	14	18	42	28	22	2	34	30	1.1	2.5	Pulse	3.05*1.9*0.08	N/A
SFDN140180-P44	14	18	44	28	21	3	35	28	2	2.5	CW	3*3.3*0.08	N/A
SFDN150170-P42-1	14.5	17.5	42	28	21	1.8	38	32	0.9	2	Pulse	2.3*1.9*0.08	N/A
SFDN150170-P42-1	14.5	17.5	42	28	21	1.8	38	32	0.9	2	Pulse	2.3*1.9*0.08	N/A
SFDN150170-P44-1	15	17	44	28	22	2.3	42	30	1.3	1.2	Pulse	2.8*2.6*0.08	N/A
SFDN150180-P47-1	15	18	47.5	28	20.5	6	40	32	3.5	2.5	Pulse	3.4*5.7*0.08	N/A
SFDN150180-P43	15	18	43.5	28	23.5	2.1	40	30	1.5	2.5	Pulse	2.55*1.9*0.08	N/A
SFDN150170-P43-3	15	17	43	28	23.5	2.1	39	30	1.5	2.5	Pulse	2.55*1.9*0.08	N/A
SFDN150170-P41	15	17	41	28	22	1.1	45	33	1.4	1.4	Pulse	2.3*1.9*0.08	N/A
SFDN160180-P28/P28M	15.7	17.7	27	28	17	0.18	15	19	0.15	2.5	CW	2.18*1.5*0.08	N/A
SFDN160175-P43-1	16	17.5	43	24	22	2.4	47	31	1.2	2	Pulse	2.9*2.6*0.08	N/A
SFDN175200-P33	17.5	20	34.5	20	16.5	0.35	45	24	0.2	2	CW	2.1*1*0.05	N/A
SFDN179181-P38	17.9	18.1	38.5	20	20.5	0.95	42	32	0.6	2	CW	2.8*2.0*0.05	N/A

GaN Power Amplifier

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Part Number	Low Freq. (GHz)	High Freq. (GHz)	Pout (dBm)	Vd (V)	Gp (dB)	Id (A)	PAE (%)	Linear Gain (dB)	Iq (A)	VSWRin	Mode	Dimension (mm)	Datasheet
SFDN180265-P41	18	26.5	41.5	20	16.5	3.2	29	24	1.6	2	CW	4.2*3*0.05	N/A
SFDN180400-P37	18	40	38	20	13	1.9	20	20	1.3	2.5	CW	3.2*1.9*0.05	N/A
SFDN180400-P30/P30M	18	40	31	20	16	0.55	18	20	0.5	2.5	CW	2.8*1.2*0.05	N/A
SFDN195215-P35-1	19.5	21.5	35.5	18/20	18.5	0.39	45	24	0.25	1.9	CW/PL	2.4*1.3*0.05	N/A
SFDN195215-P35	19.5	21.5	35.5	18/20	18.5	0.38	50	24	0.25	1.6	CW/PL	2.3*1.3*0.05	N/A
SFDN210220-P42	20	22	42.5	20	20.5	2.6	40	30	1.2	1.2	Pulse	4.2*3.0*0.05	N/A
SFDN224250-P41	22.4	25	41.5	24	22.5	1.8	38	28	0.8	2.5	CW	2.8*2.3*0.05	N/A
SFDN260400-P40	26	40	40	20	12	2.5	18	18	1.8	2	CW	2.8*3.1*0.05	N/A
SFDN320360-P38	31	36	39	24	15	1.5	29	22	0.8	1.6	CW	3.5*1.6*0.05	N/A
SFDN320380-P37	32	38	37.5	20	17.5	0.9	33	24	0.16	2	Pulse	3.2*1.4*0.05	N/A
SFDN0186H(FREQ 2)	32	36	33	24	17	0.37	28	25	0.24	2	Pulse	3*2.8*0.05	N/A
SFDN320400-P41	32	40	40	24	16	2.5	25	25	1	2.5	CW	3.2*3.4*0.08	N/A
SFDN320380-P41	32	38	41	24	16	2.6	28	25	1.2	2.5	CW	2.8*3.4*0.08	N/A
SFDN320380-P39	32	38	39	24	18	1.2	28	25	0.8	2.5	CW	3.6*2*0.08	N/A
SFDN320380-P30	32	38	30	22	16	0.4	25	20	0.33	2	CW	3.2*1.6*0.05	N/A
SFDN320330-P41	32	33	41	20	17	2.5	28	24	0.9	2	CW	3.3*3.5*0.05	N/A
SFDN320330-P28	32	33	28	20	20	0.08	25	25	0.08	2	CW	3.1*1.7*0.05	N/A
SFDN330370-P37	33	37	38.5	22	17.5	1.3	24	24.5	0.75	1.6	CW	3.5*2.5*0.05	N/A
SFDN330370-P43	33	37	43.5	24	15.5	5	24	20	3	2	Pulse	3.6*6.2*0.08	N/A
SFDN330370-P38	33	37	39	24	17	1.5	24	23.5	0.8	1.5	CW	3.5*2.5*0.05	N/A
SFDN340360-P39	34	36	39	24	16	1.1	32	25	0.7	2.5	CW/PL	1.8*3.6*0.05	N/A
SFDN500750-P33-2	50	75	34.3	15	14.3	1.1	15.7	26.2	0.86	1.5	CW	4.9*3.2*0.05	N/A
SFDN500750-P33-1	50	75	34.2	15	10.2	0.94	17.2	20	0.67	1.4	CW	4.2*3.1*0.05	N/A
SFDN500750-P36	50	75	35.6	15	9.6	2.65	8.2	14	2.16	2.5	CW	5.4*3.8*0.05	N/A
SFDN500750-P30	50	75	31.1	15	11.1	0.59	13.4	17.8	0.35	4	CW	3.80*1.70*0.05	N/A
SFDN500670-P28	50	67	28	15	13	0.35	12	20	0.28	3	CW	3.3*2.4*0.05	N/A
SFDN6001100-P22	60	110	22.5	7	9.5	0.78	5	18.5	0.3	2	CW	7.1*3*0.05	N/A
SFDN600900-P33	60	90	33.5	15	6.4	2.5	6.4	11.9	2	1.4	CW	5.6*3.1*0.05	N/A
SFDN600900-P29	60	90	29.5	15	8.5	0.62	8	13.3	0.55	4	CW	2.2*3.1*0.05	N/A
SFDN7501100-P28	75	110	28	15	8	0.9	12	15	0.38	2	CW	6.5*3.9*0.05	N/A
SFDN7501100-P24	75	110	24	15	8	0.26	7	18	0.18	2.4	CW	6.5*1.8*0.05	N/A
SFDN8001000-P24	80	100	24	15	14	0.23	8	20	0.18	2	CW	1.7*1.0*0.05	N/A

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Part Number	Low Freq. (GHz)	High Freq. (GHz)	Pout (dBm)	Vd (V)	Gp (dB)	Id (A)	PAE (%)	Linear Gain (dB)	Iq (A)	VSWRin	Mode	Dimension (mm)	Datasheet
SFDN8001300-P12-7	80	130	20	7	7	0.98	8	16.5	0.8	2	CW	7.8*3*0.05	N/A
SFDN810860-P33	81	86	33	15	10	0.8	18	18	0.65	1.5	CW	4.0*2.4*0.05	N/A
SFDN920960-P33-2	92	96	33.5	15	10.5	0.8	15	16	0.6	1.2	CW	4.0*2.1*0.05	N/A
SFDN920960-P30	92	96	30.5	15	10.5	0.4	15	15	0.3	3	CW	3.39*1.43*0.05	N/A
SFDN920960-P23	92	96	23.5	15	13.5	0.18	8	20	0.15	3	CW	3.68*1.34*0.05	N/A

High Linear Power Amplifier

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Part Number	Low Freq. (GHz)	High Freq. (GHz)	Glin (dB)	Pout (dBm)	Power Gain (dB)	Id (A)	PAE (%)	IM3 (dBc)	Dimension (mm)	Datasheet
SFDN027035-P44-2	2.7	3.5	26	44	24	1.1	55	-30dBc@40dBm	3.6*2.7*0.05	N/A
SFDN037042-P37	3.7	4.2	27	37	19	0.35	50	-25dBc@33dBm	2.36*1.41*0.08	N/A
SFDN037042-P39	3.7	4.2	28	39	20	0.5	55	-25dBc@35dBm	2.36*1.41*0.08	N/A
SFDN130155-P46	13.75	14.5	29	46	22	3.6	38	-25dBc@41dBm	3.5*5.3*0.08	N/A
SFDN175200-P40	17.5	20	26	40	20	1.3	43	-25dBc@37dBm	4.2*1.8*0.05	N/A
SFDN175200-P42	17.5	20	29	42	17	1.9	47	-25dBc@39dBm	3.05*2.3*0.05	N/A
SFDN175200-P42-1	17.5	20	26	42	17	2.1	41	-25dBc@39dBm	4.2*3*0.05	N/A
SFDN195215-P35	19.5	21.5	26	35	23	0.38	50	-25dBc@32dBm	2.1*1.3*0.05	N/A
SFDN224250-P41	22.4	25	27	4	14	1.8	38	-25dBc@37dBm	2.8*2.3*0.05	N/A
SFDN240280-P33-1	24	28	19	33.5	24	0.35	35	-25dBc@30dBm	2.5*1.0*0.05	N/A
SFDN240280-P33-2	24	28	29	33.5	17	0.35	35	-25dBc@30dBm	2.8*1.0*0.05	N/A
SFDN240280-P36	24	28	15	36	6	0.7	30	-	2.8*1.6*0.05	N/A
SFDN240280-P36	24	28	15	36	6	0.7	(27%@BO=8dB)	-	2.8*1.6*0.05	N/A
SFDN250310-P38	25	31	23	38	16.5	1.3	29	-25dBc@34dBm	3.2*1.74*0.05	N/A
SFDN250310-P40	25	31	22	40.5	17	2.5	27	-25dBc@37dBm	3.6*3.3*0.05	N/A
SFDN250310-P41	25	31	23	42	18	2.8	30	-25dBc@38dBm	3.3*3.3*0.05	N/A
SFDN250310-P43-2	25	31	22	43	17	2.9	28	-25dBc@39dBm	3.3*3.3*0.05	N/A
SND0466H(TR,with switch)	26	30	27	32	20	0.35	27	-25dBc@29dBm	3*2*0.05	N/A
SFDN270310-P38	27	31	23	38	17	1.2	30	-25dBc@34dBm	3.2*1.74*0.05	N/A
SFDN270310-P40	27	31	22	41	17	2.6	29	-25dBc@37dBm	3.6*3.3*0.05	N/A
SFDN270310-P41	27	31	25	42	18	2.7	32	-25dBc@38dBm	3.3*3.3*0.05	N/A
SFDN270310-P43-2	27	31	24	43	17	2.8	30	-25dBc@39dBm	3.3*3.3*0.05	N/A
SFDN270320-P37	27	32	23	37	16	1	30	-25dBc@33dBm	3.2*1.74*0.05	N/A
SFDN270320-P39	27	32	22	39.5	16	1.8	28	-25dBc@35.5dBm	3.6*3.3*0.05	N/A
SFDN290330-P38	29	33	24	38	15	1.3	25	-25dBc@34dBm	3.2*1.74*0.05	N/A
SFDN290330-P40	29	33	22	40	17	2.6	23	-25dBc@36dBm	3.6*3.3*0.05	N/A
SFDN320330-P41	32	33	26	41	12	2.3	29	-25dBc@38dBm	3.5*3.3*0.08	N/A
SFDN370430-P37	37	43	24	37	22	1.4	25	-25dBc@33dBm	3.2*2*0.05	N/A
SFDN385425-P40	38.5	42.5	23	40	12	2.4	25	-25dBc@37dBm	3.3*3*0.05	N/A
SFDN470520-P20	47	52	22	25	16	0.17	14	-	2.4*1.1*0.05	N/A
SFDN470520-P30	47	52	23	30	12	0.42	23	-	2.4*1.5*0.05	N/A
SFDN470520-P37	47	52	14	37	20	1.2	24	-28dBc@34dBm	3.1*1.9*0.05	N/A

High Linear Power Amplifier

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Part Number	Low Freq. (GHz)	High Freq. (GHz)	Glin (dB)	Pout (dBm)	Power Gain (dB)	Id (A)	PAE (%)	IM3 (dBc)	Dimension (mm)	Datasheet
SFDN470520-P39	47	52	19	39	14	2.5	19	-	3.5*3.5*0.05	N/A
SFDN710760-P35	71	76	19	35	12	1.4	16	-	4.8*2.4*0.08	N/A
SFDN810860-P33	81	86	18	33	13	0.8	19	-	4*2.4*0.05	N/A

Part Number	Low Freq. (GHz)	High Freq. (GHz)	Vd (V)	Pout (dBm)	Power Gain (dB)	Id (A)	PAE (%)	Linear Gain (dB)	VSWR _{in}	I.L (dB)	Mode	Dimension (mm)	Datasheet
SFDN020180-P39-S-1	2	18	28	39	14	2	15	22	2	1.6	CW	5.0*4.0*0.08	N/A
SFDN020120-P39-S	2	12	28	39	16	2	15	24	2.5/2.1 (Receive)	1.4	CW	4.3*3.4*0.08	N/A
SFDN050070-P46-S	5	7	28	46.5	21.5	3.5	50	28	1.6	/	PL	3.7*4.2*0.08	N/A
SFDN060180-P35-K	6	18	28	35	16	0.6	20	26	2.5	2	CW	3.3*2.5*0.08	N/A
SFDN080120-P41-1	8	12	28	41.8	15.8	1.5	42	24	2	1.5	PL/CW	4.0*2.5*0.08	N/A
SFDN080120-P45-S	8	12	28	44	22	2.2	36	32	2	/	PL	3.3*4.2*0.08	N/A
SFDN150170-P43-S	15	17	28	42	22	1.7	34	30	2.5	1	PL/CW	3.55*2.0*0.08	N/A
SFDN320400-P30-K-1	32	40	18	31	18	0.29	25	28	1.8	1.35	PL/CW	3.8*2.2*0.05	N/A
SFDN320400-P30-K	32	40	18	31	16.5	0.33	22.5	21	1.2	1.3	PL/CW	3.8*2.2*0.05	N/A

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Part Number	Low Freq. (GHz)	High Freq. (GHz)	Pout (dBm)	Power Gain (dB)	Vd (V)	Id (A)	PAE (%)	Linear Gain (dB)	Iq (A)	VSWRin	Mode	Dimension (mm)	Datasheet
SFD001020-P25	0.1	2	25	22	5	0.22	35	27	0.25	1.6	CW	2.4*2*0.08	N/A
SFD008014-P27	0.8	1.4	27.5	19	8	0.32	25	22	0.34	1.3	CW	3.1*1.7*0.08	N/A
SFD008016-P27M	0.8	1.6	27.5	22.5	28	0.13	20	34	/	1.5	CW	3.4*2.5*0.08	N/A
SFD008020-P30	0.8	2	30.5	20	8	0.32	43	26	0.29	1.4	CW	3.2*2.1*0.08	N/A
SFD012014-P28	1.2	1.4	29	20	5	0.245	68	26.5	0.12	1.05	CW	3.1*2.5*0.08	N/A
SFD015016-P10-1	1.5	1.54	15	25	5	0.02	32	25	0.01	1.1	CW	2.5*1.3*0.1	N/A
SFD019030-P33	1.9	3	33.6	25.6	5	1.2	39.9	31	1	1.5	CW	2.85*2.9*0.08	N/A
SFD020060-P26-1	2	6	27.5	21.5	8	0.2	36	24	0.19	1.4	CW	2.8*1.6*0.08	N/A
SFD020180-P24	2	18	24	22	5	0.34	20	26	0.21	2.5	CW	3.5*1.5*0.08	N/A
SFD020120-P30-1	2	12	30	15	8	0.75	17	20	/	2	CW	3.5*1.4*0.08	N/A
SFD020060-P39	2	6	39.5	21	9	4.5	22	23	3.5	2	CW	4.3*5.6*0.08	N/A
SFD020060-P19	2	6	19.5	14	8	0.1	12	16	0.075	1.5	CW	2.1*1.6*0.08	N/A
SFD020060-P38	2	6	38	22	10	2.5	23	24	2.2	2.3	CW	3.6*2.8*0.08	N/A
SFD020060-P36	2	6	36.5	23	8	2	28	27	1.5	2.3	CW	3.6*2.8*0.08	N/A
SFD020060-P20	2	6	20.5	22	8	0.11	15	25	0.09	2	CW	2.6*1.6*0.08	N/A
SFD020040-P27	2	4	27.7	19.7	8	0.2	37.5	23	0.19	1.5	CW	2.6*1.8*0.08	N/A
SFD020040-P22	2	4	22	30	5	0.1	33.5	33	0.098	1.15	CW	3.5*1.75*0.08	N/A
SFD020060-P30	2	6	30	22	8	0.45	30	24	0.425	1.25	CW	3.1*2.5*0.08	N/A
SFD020025-P36	2	2.5	37	24	8	1.35	48	28	0.8	1.3	CW	3.65*2.7*0.08	N/A
SFD020350-P20	2	35	20	8	5	0.31	10	9	0.36	1.8	CW	3.05*0.87*0.08	N/A
SFD020040-P24	2	4	25	21	5	0.18	35	26	0.22	1.3	CW	2.6*1.8*0.08	N/A
SFD020180-P23	2	18	24	14	5	0.4	15	20	0.28	2.5	CW	3.2*1.9*0.08	N/A
SFD020180-P23-1	2	18	23	20	5	0.35	20	20	0.22	2.5	CW	3.5*1.5*0.08	N/A
SFD025065-P35	2.5	6.5	35.5	20	8	1.75	25	24	1.02	2	CW	3.7*2.8*0.08	N/A
SFD027035-P26	2.7	3.5	26.5	20.5	28	0.13	20	22	0.12	1.5	CW	2.3*1.6*0.08	N/A
SFD027035-P27	2.7	3.5	27.5	25	9	0.45	20	27	0.33	2	CW	2.47*1.6*0.08	N/A
SFD027035-P38	2.7	3.5	38.7	22.7	8	1.85	51.5	26.6	1.13	1.3	CW	3*2.6*0.08	N/A
SFD030090-P27	3	9	29.5	24.5	6	0.38	42	29	0.33	1.3	CW	2.3*1.8*0.08	N/A
SFD040050-P24	4	5	25	19	8	0.09	42	24	0.08	1.1	CW	2.4*1.8*0.08	N/A
SFD050060-P21/P21M	5	6	21.5	18	8	0.1	20	19	0.092	1.8	CW	2.1*1.6*0.08	N/A
SFD050060-P38	5	6	38.5	29	10	2.25	34	31	1.25	1.8	CW	3.6*2.6*0.08	N/A
SFD050060-P36	5	6	36.5	28	8	1.75	35	32	/	2	CW	3.6*2.6*0.08	N/A

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SFD050060-P27	5	27.7	19.7	8	5	0.165	47	16.4	0.17	1.35	CW	2*1.4*0.08	N/A
SFD050060-P21-2/2M	5	21.5	19.5	5	8	0.075	40	23	0.08	1.2	CW	2.2*1.8*0.08	N/A
SFD050140-P24	5	24	12	5	28	0.18	27	16	0.12	2	CW	2.1*1.4*0.08	N/A
SFD051057-P37	5.1	37	26	8	8	1.3	50	30	1.1	1.3	CW	3.6*2.6*0.08	N/A
SFD052058-P40	5.2	40.2	30	9	5	2.5	45	32	1.9	1.3	CW	3.6*2.6*0.08	N/A
SFD053059-P42	5.3	42	26.5	9	5	5.5	37	30	3.33	1.5	CW	3.5*3.6*0.08	N/A
SFD058072-P33	5.8	33.8	23.8	10	5	0.55	44	29.2	0.52	1.4	CW	3*1.6*0.08	N/A
SFD060180-P21-2	6	22	19	5	8	0.2	16	22.5	0.18	2	CW	2*1.2*0.08	N/A
SFD060180-P31	6	31	20	5	5	1.15	30	23	0.5	2	CW	2.95*2.25*0.1	N/A
SFD0072H	6	19	12	5	8	0.094	20	15.5	0.05	1.5	CW	0.95*0.95*0.1	N/A
SFD060180-P21-1	6	22	12	8	9	0.19	12	15	0.16	1.6	CW	2*1.2*0.08	N/A
SFD060180-P37-2	6	37.5	21	8	8	1.5/3	25	23	1.5	2	CW	4.3*5.7*0.1	N/A
SFD060180-P36-1	6	36	20	8	10	1.4/2.8	25	23	1	1.5	CW	4.3*5.7*0.1	N/A
SFD060180-P18	6	18	11	5	8	0.07	20	13	0.05	1.2	CW	1.05*0.95*0.1	N/A
SFD060200-P14	6	14	16	5	8	0.036	15	17	0.036	2	CW	0.92*0.92*0.08	N/A
SFD077085-P41	7.7	41	26	8	8	3.8	43	32	2.8	1.8	CW	3.5*4*0.08	N/A
SFD078085-P22	7.8	23	18	5	5	0.1	46	22.5	0.08	1.3	CW	2.0*1.3*0.08	N/A
SFD078116-P31-S	7.8	32	25	8	8	0.6	40	26.5	0.35	1.4	CW	4.4*1.75*0.08	N/A
SFD080120-P22	8	22	14	8	8	0.13	18	16	0.115	1.2	CW	2.6*2.9*0.08	N/A
SFD080120-P21-4	8	21.5	17.5	8	5	0.12	16	23	0.1	1.2	CW	2.67*1.6*0.08	N/A
SFD080120-P21-2	8	21	14	8	5	0.1	18	16	0.07	1.5	CW	2.1*1.5*0.08	N/A
SFD080120-P21-1	8	21	11	8	5	0.1	18	13	0.075	1.5	CW	2.1*1.5*0.08	N/A
SFD080120-P23	8	23	12	8	5	0.12	22	14	0.095	1.2	CW	2.1*1.5*0.08	N/A
SFD080120-P30-1	8	31.5	20.5	8	8	0.36	50	26.5	0.16	1.4	CW	2.65*1.4*0.08	N/A
SFD080120-P32	8	33	26	8	28	0.55	51	27.5	0.35	1.3	CW	3.6*1.4*0.08	N/A
SFD080120-P41-5	8	41.3	18	8	9	4.7	37	25	2	1.5	CW	3.2*4*0.08	N/A
SFD080120-P37	8	37.5	23	8	8	2	40	28	1.3	2	CW	3.2*2.2*0.08	N/A
SFD080120-P24	8	24	18	8	6	0.15	25	21	0.15	1.5	CW	2.67*1.6*0.08	N/A
SFD080120-P23-1	8	23	15	5	8	0.15	30	17	0.1	2	CW	1.9*1.4*0.08	N/A
SFD085105-P34	8.5	34	26	8	8	0.75	50	30	0.4	2	CW	3*1.8*0.08	N/A
SFD085105-P19	8.5	19.5	16.5	8.5	10	0.12	10	19	0.085	1.5	CW	2.1*1.57*0.08	N/A
SFD085105-P41-1	8.5	41.2	22	8.5	8	4	40	25	2.2	1.8	CW	3.2*4*0.08	N/A

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Part Number	Low Freq. (GHz)	High Freq. (GHz)	Pout (dBm)	Power Gain (dB)	Vd (V)	Id (A)	PAE (%)	Linear Gain (dB)	Iq (A)	VSWRin	Mode	Dimension (mm)	Datasheet
SFD085105-P40	8.5	10.5	40.5	22	8	3.75	36	25	2	1.8	CW	3.5*3.9*0.08	N/A
SFD090100-P28	9	10	28	22	8	0.23	38	28	0.19	1.5	CW	3*1.5*0.08	N/A
SFD090102-P41	9	10.2	41	24	8	3.75	40	27	2.3	1.8	CW	3.2*4*0.08	N/A
SFD090102-P19	9	10.2	20	13	8	0.1	12.5	16	0.07	1.6	CW	2.1*1.5*0.08	N/A
SFD090100-P25	9	10	25.5	25.5	5	0.175	42	30	0.19	1.2	CW	3*3.7*0.08	N/A
SFD100180-P27	10	18	27	20	8	0.35	25	25	0.25	2.5	CW	2.5*1.9*0.08	N/A
SFD120170-P37	12	17	37	18	8	3	20	24	3	2.5	CW	3.5*3.4*0.08	N/A
SFD120135-P37	12	13.5	38	21	8	2.5	35	26	3	1.1	CW	3.5*3.65*0.08	N/A
SFD115125-P41	12.25	12.75	40.6	21.9	8.5	4.5	33	27	3	2	CW	3.2*4*0.08	N/A
SFD130190-P28	13	19	29.7	26.7	8	0.35	34.5	29.5	0.19	1.5	CW	2.6*1.6*0.08	N/A
SFD130140-P41-1	13	14	41.5	19.5	8.5	5.6	33	15	0.8	2	Pulse	3.6*4.5*0.08	N/A
SFD135145-P37	13	14.5	38	20	8	1.9	40	24.5	1.5	1.5	CW	3.4*2.6*0.1	N/A
SFD135145-P26	13.5	14.5	26	23	5	0.18	48	32	/	0.14	CW	2.7*1.2*0.05	N/A
SFD135145-P23	13.5	14.5	23	16	8	0.1	30	20	0.085	1.4	CW	2.5*1.2*0.08	N/A
SFD140180-P40	14	18	40	20	8	5	32	23	3	2.7	CW	3.5*4*0.08	N/A
SFD140180-P19	14	18	19	16	8	0.055	20	16.5	0.04	1.6	CW	2.1*1.5*0.08	N/A
SFD140160-P19	14	16	19.5	16.5	8	0.055	22	17.5	0.04	1.5	CW	2*1.5*0.08	N/A
SFD140180-P26	14	18	25.5	12.5	5	0.16	40	18	0.15	1.2	CW	1.9*1.3*0.08	N/A
SFD145160-P37-1	14.5	16	38	20	8	2.5	33	34	1.2	2	CW	3.4*2.6*0.1	N/A
SFD145160-P37	14.5	16	37.5	19.5	8	1.8	40	24	1.5	1.8	CW	3.4*2.6*0.1	N/A
SFD145175-P38	14.5	17.5	38	18.5	8	3	33	23	/	1.6	CW	3.5*3.4*0.08	N/A
SFD150170-P22	15	17	22.5	13.5	5	0.095	41	17	0.09	1.4	CW	2.2*1.1*0.08	N/A
SFD150165-P38	15	16.5	38	24	8	3.5	24	27	/	3	CW	3.5*3.4*0.08	N/A
SFD150170-P19	15	17	20	20	5	0.06	36	24.5	0.054	1.45	CW	2.4*1.1*0.08	N/A
SFD155170-P32	15.5	17	32	17	7	0.7	35	24	0.2	2	CW	3.6*1.53*0.08	N/A
SFD160180-P41	16	18	40.8	21	8	5	32	27	2.5	2	CW	3.5*4.6*0.1	N/A
SFD160180-P25	16	18	25	14	8	0.25	15	16	/	2	CW	2.5*1.4*0.08	N/A
SFD165175-P26	16.5	17.5	27.2	14.2	5	0.21	50.5	19.5	0.19	1.4	CW	1.9*1.3*0.08	N/A
SFD170240-P26	17	24	26.5	23.5	5	0.23	45	26	0.22	2.4	CW	2.1*1.3*0.05	N/A
SFD180220-P26	17	23	27	22	5	0.23	47	26	0.22	2.5	CW	2.1*1.3*0.05	N/A
SFD170430-P22	17	43	22	19	5	0.4	10	25	0.4	2.5	CW	1.9*0.8*0.08	N/A
SFD175185-P21	17.5	18.5	21	21	5	0.075	35	28	0.07	2	CW	2.5*1.3*0.08	N/A

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Part Number	Low Freq. (GHz)	High Freq. (GHz)	Pout (dBm)	Power Gain (dB)	Vd (V)	Id (A)	PAE (%)	Linear Gain (dB)	Iq (A)	VSWRin	Mode	Dimension (mm)	Datasheet
SFD180280-P24	18	28	24.5	19.5	5	0.18	36	20	0.17	2.2	CW	2.1*1.2*0.08	N/A
SFD180270-P31	18	27	31	14	5	1.1	24	17	0.95	1.5	CW	2.72*2.4*0.08	N/A
SFD180270-P29	18	27	29	11	5	0.9	20	13	0.74	1.5	CW	2.85*1.85*0.08	N/A
SFD180265-P27	18	26.5	27	19	5	0.45	28	21	0.35	2	CW	2.9*1.63*0.08	N/A
SFD180255-P25	18	25.5	25	17	5	0.4	20	21	0.32	2	CW	2.9*1.63*0.08	N/A
SFD180220-P28-1	18	22	28.5	22.5	5	0.34	45	26	0.3	2	CW	2.1*1.3*0.05	N/A
SFD180220-P28	18	22	28	23	5	0.29	46	25	0.32	2.5	CW	2.1*1.3*0.05	N/A
SFD180220-P27	18	22	27.5	22.5	5	0.26	46	26	0.25	/	CW	2.1*1.3*0.05	N/A
SFD190220-P22	19	22	23	22	5	0.1	42	25	0.09	2	CW	2*1*0.08	N/A
SFD190230-P22	19	23	23	18	5	0.1	45	24	0.08	1.8	CW	2.1*1.2*0.08	N/A
SFD196220-P25	19	22	23	22	5	0.1	42	25	0.09	2	CW	2*1*0.08	N/A
SFD190215-P26	19	21.5	27	23	5	0.23	44	28	0.17	2.2	CW	2.6*1.3*0.05	N/A
SFD190215-P28	19	21.5	29	23	5	0.34	46	27	0.24	2	CW	2.6*1.3*0.05	N/A
SFD210240-P26	21	24	26	23	5	0.21	40	25.5	0.19	2	CW	2.1*1.3*0.05	N/A
SFD220240-P21-1	22	24	21.5	23	5	0.09	42	25	0.06	2	CW	2.1*1.2*0.08	N/A
SFD225235-P36	22.5	23.5	36	16	5	3.1	28	21	2.5	1.5	CW	3.5*4.6*0.08	N/A
SFD225250-P24	22.5	25	24	22	5	0.16	36	28	0.12	2	CW	2.5*1.4*0.08	N/A
SFD230250-P22	23	25	22	19	5	0.1	35	23	0.06	1.8	CW	2.1*1.3*0.08	N/A
SFD240300-P24	24	30	24	19	5	0.14	39	26	0.07	2.4	CW	2.1*1.2*0.08	N/A
SFD250270-P22	25	27	22.5	17.5	5	0.11	36	21	0.05	1.6	CW	2.1*1.2*0.08	N/A
SFD250310-P36	25	31	36	18	6	3.3	25	23	2	2	CW	3.5*4.3*0.05	N/A
SFD250275-P30-T	25	27.5	29.5	19.5	6	0.6	35	20	0.4	2	CW	3*1.8*0.05	N/A
SFD250270-P37	25	27	36.5	20	6	3	30	22	2	2	CW	3.5*4.3*0.05	N/A
SFD250270-P21-2	25	27	21.5	23	5	0.08	40	26	0.08	2	CW	2.2*1*0.05	N/A
SFD250270-P20	25	27	21	19	5	0.07	42	24	0.05	2	CW	2.2*1*0.08	N/A
SFD260400-P27-1	26	40	27	17	6	0.5	18	25	0.55	3	CW	2.64*1.96*0.08	N/A
SFD260400-P35	26	40	35	12	6	2.75	16	19	2.5	1.4	CW	3.2*4.25*0.05	N/A
SFD290320-P24-1	29	32	24.5	22.5	5	0.14	45	26	0.07	2	CW	1.9*1.9*0.05	N/A
SFD290320-P23	29	32	23.5	20.5	5	0.12	40	24.5	0.1	1.3	CW	2*1*0.05	N/A
SFD290320-P37	29	32	37	15.4	6	3.9	25	20	2.2	2	CW	3.5*4.3*0.05	N/A
SFD300400-P32	30	40	32	16	6	1.2	20	22	0.9	1.4	CW	2.5*2.2*0.05	N/A
SFD315350-P23	31.5	35	23	21	5	0.115	40	24	0.09	2.2	CW	2.1*1.2*0.08	N/A

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Part Number	Low Freq. (GHz)	High Freq. (GHz)	Pout (dBm)	Power Gain (dB)	Vd (V)	Id (A)	PAE (%)	Linear Gain (dB)	Iq (A)	VSWRin	Mode	Dimension (mm)	Datasheet
SFD320330-P22	32	33	22.5	20.5	5	0.095	36	23	0.07	1.8	CW	2.1*1.2*0.08	N/A
SFD320330-P24	32.3	33	24.5	22.5	5	0.2	37	23	0.12	2	CW	2.1*1.2*0.08	N/A
SFD330370-P28M	33	37	28.5	18.5	5	0.6	27	20	0.057	1.1	CW	3.6*1.9*0.05	N/A
SFD330370-P28	33	37	28.5	18.5	5	0.65	25	21	0.33	1.2	CW	3.6*1.9*0.05	N/A
SFD330370-P24	33	37	23	23	5	0.26	22	26	0.23	1.5	CW	2.8*1.2*0.05	N/A
SFD300400-P33	33	36	33	15	6	2.2	22	18	1.4	2.5	CW	2.6*2.2*0.05	N/A
SFD330370-P30	33	37	30	18	6	0.6	30	20	0.45	2	CW	3*1.6*0.05	N/A
SFD330370-P36	33	37	36	15	6.5	3	23	21	2.2	2	CW	3.8*4.8*0.05	N/A
SFD330370-P34	33	37	34	16	6	1.8	25	24	1.2	2	CW	3*2.4*0.05	N/A
SFD340360-P33-1	34	36	33	15	6	1.7	20	22	1.2	2	CW	3*2.6*0.05	N/A
SFD340360-P20	34	36	20	21	6	0.1	26	21	0.09	2	CW	1.8*0.9*0.05	N/A
SFD340360-P37	34	36	37	14	6.5	3.5	24	18	3	2	CW	3*4.3*0.05	N/A
SFD340360-P32	34	36	32.5	16	6	1.2	28	22	0.9	1.5	CW	3.5*2.6*0.05	N/A
SFD350450-P25	35	45	25	18	5	0.4	20	24	0.4	2	CW	3.2*1.3*0.05	N/A
SFD320370-P12	35.45	35.65	12	15	5	0.045	/	25	0.04	1.8	CW	1.72*0.75*0.08	N/A
SFD430460-P20	43	46	21	18	5	0.18	20	22	0.22	2.5	CW	3.2*1.3*0.05	N/A

Low Noise Amplifier

Part Number	Low Freq. (GHz)	High Freq. (GHz)	Linear Gain (dB)	P-1 (dBm)	VSWR _{in}	Noise Figure (dB)	V _d (V)	I _d (mA)	Dimension (mm)	Datasheet
SFD025120-L16G26	0.25	12	27	10	1.8	1.3	5	23	2.2*1.3*0.1	N/A
SFD004020-L12	0.4	2	18	18	1.6	1.2	5	45	1.2*1.25*0.1	N/A
SFD008032-L18	0.8	3.2	18	17	1.4	1.8	1.8	72	1.215*1.3*0.1	N/A
SFD008180-L30	0.8	18	19	14	1.7	3	5	85	3.3*1.8*0.1	N/A
SFD008180-L25	0.8	18	17	16	1.3	3.5	5	85	3.04*1.54*0.1	N/A
SFD008120-L15-2	0.8	12	25	0	1.8	1.4	5	20	2.2*1.3*0.1	N/A
SFD008032-L08	0.8	3.2	20	8	1.4	0.8	5	80	1.215*1.645*0.1	N/A
SFD008027-L10G26	0.8	2.7	27	10	1.8	1.5	5	23	2.2*1.3*0.1	N/A
SFD009012-G32	0.98	1.2	33	12	1.5	0.5	5	35	2*1.5*0.1	N/A
SFD010090-L10	1	9	19	15	1.8	1	5	45	1.5*1*0.1	N/A
SFD012014-L05G36	1.2	1.4	36	8	1.5	0.5	5	35	2*1.3*0.1	N/A
SFD015018-G35	1.5	1.8	37	11	1.6	0.6	5	35	2*1.3*0.1	N/A
SFD020200-L30-2	2	20	18	16.5	1.3	2.5	5	70	3.04*1.54*0.1	N/A
SFD020200-L30-1	2	20	18	16.5	1.3	2.5	5	70	3.04*1.54*0.1	N/A
SFD020200-L25GC17	2	20	17	15	1.3	2.5	5	61	3.04*1.54*0.1	N/A
SFD020200-G20L30	2	18	21	16	1.5	2.8	5	55	2.7*1.63*0.1	N/A
SFD020180-L15	2	18	17	7	1.8	1.5	5	25	1.5*1*0.1	N/A
SFD020060-L10	2	6	26	12	1.9	1	5	35	1.9*1.2*0.1	N/A
SFD020060-L06	2	6	25	13	1.5	0.6	5	45	1.9*1.2*0.1	N/A
SFD020030-L15	2.6	2.9	34	5	1.3	1.2	5	35	3.4*2.6*0.1	N/A
SFD027035-L06G35	2.7	3.5	35	14	1.5	0.5	5	45	1.9*1.5*0.1	N/A
SFD027035-L06G30	2.7	3.5	31	12	1/5	0.6	5	45	1.9*1.5*0.1	N/A
SFD027035-L06	2.7	3.5	29	12	1.5	0.6	5	35	1.9*1.5*0.1	N/A
SFD030180-L18	3	18	29	8	1.7	1.8	5	32	2*1.3*0.1	N/A
SFD045065-L11-1	4	6	24	12	2	1.2	5	45	2.365*1.335*0.1	N/A
SFD040060-L11	4	6	27	7	1.6	1.1	5	13	1.78*1.38*0.1	N/A
SFD045070-L10	4.5	7	26	13	1.6	0.9	5	55	2.39*1.36*0.1	N/A
SFD045065-L11	4.5	6.5	25	12.5	1.4	1.1	5	35	2.39*1.36*0.1	N/A
SFD045065-L10	4.5	6.5	23	11	1.6	1	5	60	2.35*1.2*0.1	N/A
SFD050060-L13	5	6	30	13	1.3	1.3	4	50	2.5*1.2*0.1	N/A
SFD050060-L07B	5	6	23	4	1.4	0.7	5	15/35	2*1.2*0.1	N/A
SFD050060-L07	5	6	25	12	1.4	0.7	5	35	2*1.2*0.1	N/A

Low Noise Amplifier

Part Number	Low Freq. (GHz)	High Freq. (GHz)	Linear Gain (dB)	P-1 (dBm)	VSWRin	Noise Figure (dB)	Vd (V)	Id (mA)	Dimension (mm)	Datasheet
SFD050060-L05G29	5	6	29	12	1.5	0.6	5	60	1.9*1.2*0.1	N/A
SFD060180-L18-1	6	18	19	16	2	1.8	5	75	1.46*1.05*0.1	N/A
SFD060180-L16	6	18	25	12	1.6	1.6	5	75	2.5*1.5*0.1	N/A
SFD060180-L15G21	6	18	21	5	1.5	1.5	5	42	2*1*0.1	N/A
SFD070130-L11	7	13	22	8	1.8	1.1	5	22	2*1*0.1	N/A
SFD070115-L11-2	7	11.5	26	5	1.8	1.2	3.3	34	2.11*1.63*0.1	N/A
SFD080120-L08G27	8	12	27	10	1.7	1.5	5	25	1.3*1.33*0.1	N/A
SFD080120-L17	8	12	25	10	1.8	1.7	5	80	2.135*1.655*0.1	N/A
SFD080120-L16	8	12	20	7	1.9	1.5	5	60	1.73*1.63*0.1	N/A
SFD080120-L11-1	8	12	19	4	1.8	1.3	5	17	1.5*1*0.1	N/A
SFD080120-L11	8	12	20	4	1.5	1.1	5	14	1.5*1*0.1	N/A
SFD080120-L10	8	12	25	10	1.5	1.1	5	30	2*1*0.1	N/A
SFD120180-L15G21	12	18	21	10	1.7	1.5	5	55	2.3*1.38*0.1	N/A
SFD135145-G17	13.5	14.5	17.5	11.5	1.6	1.9	5	18	1.5*1*0.1	N/A
SFD140380-L30	14	38	20	4	1.5	3	5	40	1.875*1.15*0.1	N/A
SFD140380-L30-1	14	38	23	3	1.8	2.7	5	35	1.875*1.15*0.1	N/A
SFD140180-L15	14	18	18	9	1.8	1.5	5	45	2.12*1.6*0.1	N/A
SFD140180-L14	14	18	23	10	2	1.4	5	70	2.175*1.34*0.1	N/A
SFD140170-L12	14	17	28	10	1.5	1.2	5	50	2.29*1*0.1	N/A
SFD180260-L18	18	26	22	0	1.5	1.8	5	8	1.3*1*0.1	N/A
SFD190240-L16-6	19	24	26	5	1.7	1.2	5	18	1.92*0.75*0.1	N/A
SFD190240-L16-5	19	24	24	5	1.7	1.6	5	20	1.92*0.75*0.1	N/A
SFD190240-L16-3	19	24	26	5	1.7	1.5	5	18	1.92*0.75*0.1	N/A
SFD190240-L16-1	19	24	23	-2	1.3	1.6	5	7	1.92*0.75*0.1	N/A
SFD190240-L16	19	24	24	3	1.3	1.6	4	24	1.92*0.75*0.1	N/A
SFD190230-L15	19	23	29	0	1.6	1.7	5	9	2.4*0.9*0.1	N/A
SFD190220-L16	19.4	21.4	27	0	1.5	1.6	5	10	2*1.8*0.1	N/A
SFD196212-P08	19.6	21.2	19	8	1.3	/	5	15	1.5*0.8*0.1	N/A
SFD196212-L15	19.6	21.2	25	0	1.5	1.5	5	9	2*0.8*0.1	N/A
SFD220240-P08	22	24	24	8	1.5	/	5	14	1.9*0.8*0.1	N/A
SFD220240-G23-1	22	24	27	2	1.4	1.3	5	9	1.92*0.75*0.1	N/A
SFD220250-L15	22	25	26	2	1.3	1.5	5	12	1.8*1*0.1	N/A

Low Noise Amplifier

Part Number	Low Freq. (GHz)	High Freq. (GHz)	Linear Gain (dB)	P-1 (dBm)	VSWR _{in}	Noise Figure (dB)	V _d (V)	I _d (mA)	Dimension (mm)	Datasheet
SFD220240-G23	22	24	23	0	1.8	1.5	5	10	1.92*0.75*0.1	N/A
SFD240430-L25	24	43	22	12	1.5	2.5	5	75	2*1.3*0.1	N/A
SFD250310-L16M	25	31	23	1	1.4	1.6	5	12	1.8*1*0.1	N/A
SFD250310-L16-1	25	31	23	1	1.4	1.6	5	10	1.8*1*0.1	N/A
SFD250310-L16	25	31	26	1	1.4	1.6	5	10	1.8*1*0.1	N/A
SFD252275-L17G21	25.2	27.5	21	0	1.5	1.7	5	8	1.8*1.0*0.1	N/A
SFD252275-L17	25.2	27.5	26	0	1.5	1.7	5	9	1.9*0.8*0.1	N/A
SFD252275-L18G14	25.2	27.5	14.5	0	1.4	1.8	5	8	1.8*1*0.1	N/A
SFD252275-L17A	25.2	27.5	26	3	1.5	1.7	5	9	1.9*0.8*0.1	N/A
SFD260400-L22	26	40	17	5	1.5	2.2	5	28	1.5*0.8*0.1	N/A
SFD280350-L25	28	35	17	12	2.5	3	5	75	2.66*1.45*0.1	N/A
SFD290310-L21G14	29	31	14	0	1.4	2.1	5	8	1.8*1*0.1	N/A
SFD290310-L17G27	29	31	28	3	1.5	1.3	5	10	1.8*0.9*0.1	N/A
SFD290310-L17G14	29	31	14	8	1.5	1.6	5	12	1*0.9*0.1	N/A
SFD290310-L17	29	31	21	-2	1.7	1.7	5	7	1.8*1*0.1	N/A
SFD320370-L20-2	32	37	20	5	1.5	2	5	12	1.46*0.73*0.1	N/A
SFD320370-L20	32	37	21	3	2	2.2	5	28	1.46*0.75*0.1	N/A
SFD320340-L16	32	34	24	5	1.8	1.6	5	10	1.5*1*0.1	N/A
SFD330370-L30-2	33	37	25	15	1.5	1.9	5	50	1.5*1.5*0.1	N/A
SFD330370-L20G16	33	37	16.5	3	1.5	2.1	5	15	1.46*0.75*0.1	N/A
SFD400500-L20	40	50	18	2	2.2	2	5	11	1.34*0.8*0.05	N/A
SFDN500600-L35	50	60	21	15	1.5	2.5	5	0.08	2.8*1.2*0.05	N/A
SFD7501100-L35	75	110	20	-1	3	3.5	1	39	2.6*2.3*0.05	N/A
SFDN910970-L35-1	91	97	20.5	15	2	3	5	0.1	3.1*1.5*0.05	N/A
SFD920980-L32	92	98	21	1	1.3	3	1	65	2.8*2.3*0.05	N/A

Limiting LNA

Part Number	Low Freq. (GHz)	High Freq. (GHz)	Gain (dB)	P-1 (dBm)	Noise Figure (dB)	VSWR _{in}	VSWR _{out}	Handling Power (W)	Dimension (mm)	Datasheet
SIFD012014-P100L10	1.2	1.4	35	9	1	1.7	1.7	100(2ms,30%)	3.3*1.7*0.1	N/A
SIFD027035-P100L12	2.7	3.5	28	9	1.4	1.6	1.6	100(2ms,30%)	3.2*1.7*0.1	N/A
SID050140-P40L18	5	14	18	4	1.8	2	2	40W(300us,30%)	3.05*1.2*0.1	N/A
SIFD050070-P40L17	5	7	25	9	1.6	1.4	1.4	40(8.5ms,30%)	3.2*2.5*0.1	N/A
SIFD050060-P100L13	5	6	23	9	1.3	1.9	1.5	100(2ms,30%)	3.7*1.5*0.1	N/A
SID078118-C20L18	7.8	11.8	24	0	1.9	1.4	1.4	30(2ms,30%)	3.6*2.4*0.1	N/A
SIFD140180-P15L20	14	18	24	3	2	1.8	1.8	15(200us,20%)	2.3*1.8*0.1	N/A

Gain Power Amplifier

Part Number	Low Freq. (GHz)	High Freq. (GHz)	Linear Gain (dB)	P-1 (dBm)	VSWR _{in}	VSWR _{out}	Noise Figure (dB)	V _d (V)	I _d (mA)	Dimension (mm)	Datasheet
SFD000060-P16	0	6	18	16	1.8	1.8	4.1	5	70	0.6*0.6*0.1	N/A
SFD000100-G12	0	10	13	13	1.5	1.5	3	5	50	0.38*0.58*0.1	N/A
SFD000060-P14	0	6	15	14	1.5	1.5	4.5	3.2	48	1.05*0.5*0.1	N/A
SFD000060-P11	0	6	16	11	1.3	1.3	5.1	4.7	35	0.63*0.56*0.075	N/A
SFD000040-P19	0	4	20	19	1.3	1.3	4.9	5	80	0.81*0.56*0.075	N/A
SFD000040-P17	0	4	21	17	1.3	1.3	4.3	4.6	65	0.83*0.56*0.075	N/A
SFD000040-P12	0	4	20	12	1.3	1.3	4.1	4.7	35	0.73*0.56*0.075	N/A
SFD001020-P15	0.1	2	12.5	15	1.5	1.5	2.3	5	56	1.05*1*0.1	N/A
SFD001020-L17	0.1	2	16.5	16	1.5	1.3	1.7	5	64	1.05*1*0.1	N/A
SFD002035-P16	0.2	3.5	20	16	1.25	1.25	4.7	5	45	0.75*0.56*0.075	N/A
SFD002035-P15	0.2	3.5	17	15	1.4	1.4	5.3	5	40	0.68*0.56*0.075	N/A
SFD002032-P19	0.2	3.2	14	19	1.4	1.4	3.5	5	43	1.05*0.5*0.1	N/A
SFD002008-L25G30-1	0.2	0.8	30	22	1.5	1.5	2	5	120	2.5*1.4*0.1	N/A
SFD003010-L05	0.3	1	15	6	1.5	1.5	0.5	5	40	1*0.8*0.1	N/A
SFD009021-P18/P18M	0.9	2.1	21	17	1.8	1.8	/	5	80	1.1*1.5*0.1	N/A
SFD009021-P13/P13M	0.9	2.1	19	10	2	2	/	5	40	1.1*1.5*0.1	N/A
SFD010020-P09/P09M	1	2	14	7.5	2	2	/	5	35	1.1*1.5*0.1	N/A
SFD020180-L35G17	2	18	17	15	1.5	1.5	3.5	5	48	2.68*1.36*0.1	N/A
SFD020180-L22	2	18	17	13.5	1.3	1.5	2.2	5	52	3.04*1.54*0.1	N/A
SFD020200-G16	2	20	16	26	1.6	2	4.5	8	290	3.12*1.63*0.08	N/A
SFD020040-G23	2	4	23	4	1.5	1.5	2.2	5	50	1.25*0.8*0.1	N/A
SFD027050-G24	2.7	5	24	17	1.6	1.6	2.5	5	65	2*1.4*0.08	N/A
SFD027035-L09G28	2.7	3.5	28	16	1.8	1.8	1.1	5	70	2*1.5*0.08	N/A
SFD050060-L35P13-1	5	6	10.5	14.5	1.6	1.2	3.3	5	30	1.65*1.35*0.1	N/A
SFD050060-L19	5	6	15	14	1.3	1.6	1.9	4	35	1.65*1.2*0.1	N/A
SFD060180-L50P19	6	18	9.5	19	1.4	1.3	3.5	5	74	2.13*1.34*0.1	N/A
SFD060180-L25G09	6	18	9	13	1.6	1.6	2.5	3	42	1*1*0.1	N/A
SFD080120-L38G13	8	12	13	13	1.2	2	3.8	5	24	1.7*0.05*0.1	N/A
SFD080120-L30G9	8	12	9	14	1.8	1.6	3	5	35	1.52*1.48*0.1	N/A
SFD170210-G22	17	21	18	22	1.5	1.5	/	8	80	2*1*0.08	N/A
SFD180400-L50	18	40	10.5	11	1.7	1.7	/	5	46	1.6*1.65*0.08	N/A
SFD180230-L22	18	23	27	13	1.6	1.6	2.2	5	65	2.3*1.16*0.1	N/A

Gain Power Amplifier

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Part Number	Low Freq. (GHz)	High Freq. (GHz)	Linear Gain (dB)	P-1 (dBm)	VSWR _{in}	VSWR _{out}	Noise Figure (dB)	V _d (V)	I _d (mA)	Dimension (mm)	Datasheet
SFD190220-G28	19	22	30	4	1.5	1.5	2	5	11	1.92*0.75*0.1	N/A
SFD190220-G20	19	22	20	10	1.5	1.5	8	5	15	1.5*1.0*0.1	N/A
SFD190240-G28	19	24	28	10	1.5	1.5	/	5	25	1.8*1*0.1	N/A
SFD200240-G22	20	24	22	8	1.5	1.5	/	5	20	1.8*1*0.1	N/A
SFD225236-G26	22	24	27	1	2.5	2.5	2.5	5	10	2*1*0.1	N/A
SFD300400-P17-1	30	40	17	14	2.5	2.5	/	5	70	1.55*8.5*0.08	N/A
SFD330370-L30	33	37	26	12	1.5	1.5	2.5	5	45	1.5*1*0.1	N/A
SFD340360-L25	34	36	21	2	1.6	1.6	2.5	5	25	2.9*0.8*0.08	N/A

Part Number	Type	Low Freq. (GHz)	High Freq. (GHz)	I.L. (dB)	Isolation (dB)	R.L. (dB)	Input P-0.3 (dBm)	VSWR	Switch Time (ns)	Control	Dimension (mm)	Datasheet
SKDN102000200-1	SPDT	0.1	20	1.8	38	-12	45	1.7	20	0/-40V	2*1.55*0.08	N/A
SKDN102000120-2	SPDT	0.1	12	1	40	-11	44	1.8	20	0/-40V	1.8*0.82*0.08	N/A
SKDN101000200-1	SPST	0.1	20	1.1	40	-14	45	1.5	20	0/-40V	2*1.05*0.08	N/A
SKDN1010001100	SPST	0.1	110	1.2	20	-14	> 33	1.5	20	0/-15V	0.85*0.65*0.05	N/A
SKDN102000400	SPDT	0.1	40	1.8	30	-18	30	1.3	20	0/-40V	1.4*1*0.08	N/A
SKDN102000300	SPDT	0.1	30	1.5	30	-14	34	1.5	20	0/-40V	1.4*1*0.08	N/A
SKDN102000250	SPDT	0.1	25	1.8	28	-14	43	1.5	20	0/-40V	2*1*0.08	N/A
SKDN102001200	SPDT	0.1	20	1.5	30	-14	42	1.5	20	0/+40V or 0/-40V	2*1*0.08	N/A
SKDN101000200	SPST	0.1	20	0.8	27	-18	51	1.3	20	0/-40V	2.9*1.05*0.08	N/A
SKDN103A000180	SP3T	0.1	18	2	50	-10	42	2	20	0/-40V	2*1.7*0.08	N/A
SKDN102000180-6	SPDT	0.1	18	2	35	-10	49	2	20	0/-40V	1.8*1.1*0.08	N/A
SKDN104000180	SP4T	0.1	18	1.8	45	-10	41.5	2	20	0/-40V	1.8*1.63*0.08	N/A
SKDN102000180-5	SPDT	0.1	18	1.6	45	-10	47	2	20	0/-40V	1.8*1.1*0.08	N/A
SKDN103000180	SP3T	0.1	18	1.5	55	-11	42	1.8	20	0/-40V	2*1.7*0.08	N/A
SKDN102000180-2	SPDT	0.1	18	1.5	35	-11	44	1.8	10	0/-40V	1.8*0.82*0.08	N/A
SKDN102020180	SPDT	0.1	18	1.3	35	-18	43	1.4	10	0/-40V	1.25*1.45*0.08	N/A
SKDN102000180-3	SPDT	0.1	18	1.2	35	-16	40	1.4	10	0/-40V	1.45*0.9*0.08	N/A
SKDN102000180	SPDT	0.1	18	0.8	35	-21	38	1.2	20	0/-40V	1.2*0.82*0.08	N/A
SKDN102000120-4	SPDT	0.1	12	1.3	40	-11	52	1.8	20	0/-40V	2.2*1.6*0.08	N/A
SKDN102001100	SPDT	0.1	10	1	35	-14	46	1.5	20	0/+40V or 0/-40V	2*1*0.08	N/A
SKDN102010070-1	SPDT	0.1	7	1	30	-18	52	1.3	20	0/-40V	2.2*1.1*0.08	N/A
SKDN102010070	SPDT	0.1	7	0.8	30	-18	51	1.3	20	0/-40V	2.2*1.1*0.08	N/A
SKDN102000070	SPDT	0.1	7	0.4	30	-21	46	1.2	20	0/-40V	1.2*0.82*0.08	N/A
SKDN102010065	SPDT	0.1	6.5	1.2	35	-11	52	1.8	20	0/-40V	2.2*1.1*0.08	N/A
SKDN102010065	SPDT	0.1	6.5	1.2	35	-11	52	1.8	20	0/-40V	2.2*1.1*0.08	N/A
SKDN102010065-1	SPDT	0.1	6.5	1	35	-11	51	1.8	20	0/-40V	2.2*1.1*0.08	N/A
SKDN104000060	SP4T	0.1	6	1.5	32	-11	47	1.8	20	0/-40V	2.2*1.63*0.08	N/A
SKDN102A001060	SPDT	0.1	6	1.2	50	-15	45	1.45	20	0/-40V	2.1*1.5*0.08	N/A
SKDN102000060-2	SPDT	0.1	6	1.2	40	-18	48	1.3	20	0/-40V	1.8*0.9*0.08	N/A
SKDN102000060-3	SPDT	0.1	6	1.1	45	-14	53	1.5	20	0/-40V	2.2*1.1*0.08	N/A
SKDN102020060-1	SPDT	0.1	6	0.8	38	-14	48	1.5	20	0/-40V	1.6*0.85*0.08	N/A
SKDN103000030	SP3T	0.1	3	0.8	40	-16	51	1.4	20	0/-40V	1.95*1.7*0.08	N/A

Part Number	Type	Low Freq. (GHz)	High Freq. (GHz)	I.L. (dB)	Isolation (dB)	R.L. (dB)	Input P-0.3 (dBm)	VSWR	Switch Time (ns)	Control	Dimension (mm)	Datasheet
SKDN102000030-1	SPDT	0.1	3	0.6	39	-18	49	1.3	20	0/-40V	1.19*0.9*0.08	N/A
SKDN102000030	SPDT	0.1	3	0.4	30	-21	46.5	1.2	20	0/-40V	1.2*0.82*0.08	N/A
SKDN102001020	DPDT	0.1	2	0.35/0.8	32	-18	47.5	1.3	20	0/-40V	3*1.5*0.08	N/A
SKDN102A001020	SPDT	0.1	2	0.8	55	-18	45	1.3	20	0/-40V	2.1*1.5*0.08	N/A
SKDN102000020	SPDT	0.1	2	0.8	25	-14	57	1.5	20	0/+40V or 0/-40V	2.9*1.05*0.08	N/A
SKDN103001020	SP3T	0.1	2	0.6	35	-16	51.5	1.4	20	0/-40V	3*1.5*0.08	N/A
SKDN102000015	SPDT	0.1	1.5	1	35	-11	60	1.8	20	0/+40V or 0/-40V	6.3*2.1*0.08	N/A
SKDN104000010	SP4T	0.1	1	0.6	32	-18	57	1.3	20	0/-40V	1.95*3.5*0.08	N/A
SKDN102003020-1	SPDT	0.3	2	1.4	26	-11	56	1.8	20	0/-40V	1.95*1.7*0.08	N/A
SKDN102003020	SPDT	0.3	2	0.8	40	-13	55	1.6	20	0/-40V	1.95*1.7*0.08	N/A
SKDN102005020	SPDT	0.5	2.5	0.6	35	-18	52	1.3	20	0/-40V	1.9*0.9*0.08	N/A
SKDN102005020-1	SPDT	0.5	2	0.6	35	-16	54	1.4	20	0/-40V	1.95*1.25*0.08	N/A
SKDN102012014	SPDT	1.2	1.4	0.35	38	-18	48	1.3	20	0/-40V	1.3*1.15*0.08	N/A
SKDN102A017019-1	SPDT	1.7	1.9	0.9	38	-21	50	1.2	20	0/-40V	3*2.1*0.08	N/A
SKDN102020060-4	SPDT	2	6	1.1	55	-20	52	1.3	20	0/-40V	3.6*2.4*0.08	N/A
SKDN102020060-3	SPDT	2	6	1	65	-21	51	1.2	20	0/-40V	3.6*2.4*0.08	N/A
SKDN103020060	SP3T	2	6	1	50	-15	48	1.5	20	0/-40V	2.3*2.1*0.08	N/A
SKDN103020180	SP3T	2	18	2	40	-13	47	1.6	20	0/-40V	2*1.7*0.08	N/A
SKDN202020060	DPDT	2	6	1.8	50	-21	51	1.2	20	0/-40V	4.6*4*0.08	N/A
SKDN102A027035	SPDT	2.7	3.5	1	36	-14	48.5	1.5	20	0/-40V	3*2.1*0.08	N/A
SKDN102027035-1	SPDT	2.7	3.5	0.85	50	-15	49	1.45	20	0/+40V or 0/-40V	2.4*1.6*0.08	N/A
SKDN102027035	SPDT	2.7	3.5	0.7	30	-15	52	1.45	20	0/-40V	3*2.2*0.08	N/A
SKDN102050140	SPDT	5	14	0.9	45	-18	48.5	1.3	20	0/-40V	2.5*1.5*0.08	N/A
SKDN102050090	SPDT	5	9	0.75	37	-21	52	1.2	20	0/-40V	2.4*2.4*0.08	N/A
SKDN102050070	SPDT	5	7	0.9	30	-14	53	1.5	20	0/-40V	3.2*2.2*0.08	N/A
SKDN102A050060	SPDT	5	6	1.3	33	-15	49.5	1.45	20	0/-40V	3*2.1*0.08	N/A
SKDN102050060-3	SPDT	5	6	0.8	34	-14	49	1.5	20	0/+40V or 0/-40V	2.4*2.4*0.08	N/A
SKDN102050060-1	SPDT	5	6	0.75	28	-21	52	1.2	20	0/-40V	3*2.2*0.08	N/A
SKDN102050060-2	SPDT	5	6	0.65	32	-21	51	1.2	20	0/-40V	3*2.2*0.08	N/A
SKDN102060180-2	SPDT	6	18	1.4	45	-16	47	1.4	20	0/-40V	2.5*1.5*0.08	N/A
SKDN102060180-4	SPDT	6	18	1.2	42	-11	50	1.8	20	0/-40V	3*1.5*0.08	N/A
SKDN102060180-3	SPDT	6	18	1	42	-11	48	1.8	20	0/-40V	3*1.5*0.08	N/A

Part Number	Type	Low Freq. (GHz)	High Freq. (GHz)	I.L. (dB)	Isolation (dB)	R.L. (dB)	Input P-0.3 (dBm)	VSWR	Switch Time (ns)	Control	Dimension (mm)	Datasheet
SKDN102070130	SPDT	7	13	0.8	38	-21	48	1.2	20	0/-40V	2.5*1.5*0.08	N/A
SKDN102070130-1	SPDT	7	13	0.75	40	-21	47.5	1.2	20	0/-40V	2.5*1.5*0.08	N/A
SKDN102A080120	SPDT	8	12	0.8	30	-20	52	1.3	20	0/-40V	2.8*2.35*0.08	N/A
SKDN102080180	SPDT	8	18	1	30	-14	46.5	1.5	20	0/-40V	2*1*0.08	N/A
SKDN102080120-7	SPDT	8	12	1	28	-14	53	1.5	20	0/-40V	2.8*2.2*0.08	N/A
SKDN102080120-5	SPDT	8	12	0.8	40	-18	47	1.3	20	0/+28V or 0/-28V	2.4*2.2*0.08	N/A
SKDN102080120-2	SPDT	8	12	0.75	30	-18	47	1.3	20	0/-40V	1.8*1.45*0.08	N/A
SKDN102080120-4-1	SPDT	8	12	0.65	36	-21	46	1.2	20	0/-40V	2.15*2*0.08	N/A
SKDN102080120-3	SPDT	8	12	0.6	40	-18	46	1.3	20	0/-40V	1.8*1.45*0.08	N/A
SKDN102090100	SPDT	9	10	0.75	30	-16	52	1.4	20	0/-40V	3*2.2*0.08	N/A
SKDN102090100-1	SPDT	9	10	0.65	38	-17	51	1.35	20	0/-40V	3*2.2*0.08	N/A
SKDN102100360	SPDT	10	36	0.8/1.2	38	-14	45	1.5	20	0/-40V	1.9*3*0.08	N/A
SKDN102100230	SPDT	10	23	1	28	-14	46.5	1.5	20	0/-40V	2*1*0.08	N/A
SKDN102100210	SPDT	10	21	1	30	-14	45	1.5	20	0/+40V or 0/-40V	2*1*0.08	N/A
SKDN102100200	SPDT	10	20	0.8	38	-14	45.5	1.5	20	0/-40V	2*1*0.08	N/A
SKDN102100180	SPDT	10	18	0.7/1.2	20/28	1.3	47/42	1.6/2	10	0/-40V	1.8*0.85*0.08	N/A
SKDN102A100180	SPDT	10	18	1.2	46	-18	44	1.3	20	0/-40V	2*2.15*0.08	N/A
SKDN102100180-1	SPDT	10	18	1.1	25	-13	53	1.6	20	0/-40V	2.7*2.2*0.08	N/A
SKDN102120180-1	SPDT	12	18	0.8	38	-14	44	1.5	10	0/-40V	1.8*0.95*0.08	N/A
SKDN102120180	SPDT	12	18	0.6	30	-14	40	1.5	10	0/-40V	1.8*1.19*0.08	N/A
SKDN102130170	SPDT	13	17	0.9	29	-16	47	1.4	20	0/-40V	2.5*2.2*0.08	N/A
SKDN102130150	SPDT	13	15	0.75	35	-19	45	1.25	20	0/-40V	2.5*2.2*0.08	N/A
SKDN102140400	SPDT	14	40	0.8	40	-14	43	1.5	20	0/-40V	2.3*1.7*0.08	N/A
SKDN102140180-1	SPDT	14	18	1	25	-14	53	1.5	20	0/-40V	2.2*1.3*0.08	N/A
SKDN102140180-2	SPDT	14	18	0.9	30	-15	47	1.45	20	0/+40V or 0/-40V	2.4*2.4*0.08	N/A
SKDN102150180	SPDT	15	18	0.9	40	-14	43	1.5	10	0/-40V	1.8*0.87*0.08	N/A
SKDN102170190	SPDT	17	19	0.85	45	-16	46	1.4	20	0/-40V	3*2.2*0.08	N/A
SKDN102180400	SPDT	18	40	1	45	-14	40	1.5	20	0/-40V	1.7*1.5*0.08	N/A
SKDN102180440	SPDT	18	44	1	45	-14	40	1.5	20	0/-40V	1.7*1.5*0.08	N/A
SKDN102180400-1	SPDT	18	40	1	48	-13	43	1.6	20	0/-40V	2.9*1.05*0.08	N/A
SKDN102A180240	SPDT	18	24	1.3	45	-16	43	1.4	20	0/-40V	2.4*2*0.08	N/A
SKDN102180220	SPDT	18	22	0.9	50	-18	46	1.3	20	0/-40V	2.5*2.2*0.08	N/A

Part Number	Type	Low Freq. (GHz)	High Freq. (GHz)	I.L. (dB)	Isolation (dB)	R.L. (dB)	Input P-0.3 (dBm)	VSWR	Switch Time (ns)	Control	Dimension (mm)	Datasheet
SKDN102190230	SPDT	19	23	0.9	28	-18	46	1.3	20	0/+40V or 0/-40V	2.4*2.4*0.08	N/A
SKDN102200210	SPDT	20	21	0.9	50	-16	47	1.4	20	0/-40V	2.5*2.2*0.08	N/A
SKDN102250550	SPDT	25	55	1	38	-16	42	1.4	20	0/-40V	2.4*1.7*0.08	N/A
SKDN102A270370	SPDT	27	37	1.7	35	-13	43	1.6	20	0/-40V	2.5*1.1*0.08	N/A
SKDN102280380	SPDT	28	38	1.2	30	-14	41	1.4	20	0/-40V	1.5*0.85*0.08	N/A
SKDN102280400	SPDT	28	40	1.2	23	-16	44	1.4	20	0/-40V	1.5*0.85*0.08	N/A
SKDN102290360	SPDT	29	36	1.5	30	-16	40	1.4	20	0/+40V or 0/-40V	1.5*0.85*0.08	N/A
SKDN102290310	SPDT	29	31	0.9	25	-18	41	1.3	20	0/+40V or 0/-40V	2.4*1.4*0.08	N/A
SKDN102300370	SPDT	30	37	1.4	30	-16	40	1.4	20	0/+40V or 0/-40V	1.5*0.85*0.08	N/A
SKDN102300400-2	SPDT	30	40	0.9	30	-16	41	1.4	20	0/-40V	1.5*0.85*0.08	N/A
SKDN102280380-1	SPDT	32	38	0.8	25	-13	43	1.6	20	0/-40V	2.2*1.3*0.08	N/A
SKDN102330370	SPDT	33	37	1.2	24	-18	39	1.3	20	0/+40V or 0/-40V	2.4*1.4*0.08	N/A
SKDN102340360	SPDT	34	36	1.3	25	-14	40	1.5	20	0/-40V	2.35*1.45*0.08	N/A
SKDN1024001100	SPDT	40	110	2.5	35	-13	> 37	1.6	10	0/-15V	1.2*1*0.05	N/A
SKDN101A4201000	SPST	42	100	1.4	50	-11	> 33	1.8	20	0/-15V	1.3*0.65*0.05	N/A
SKDN101A5001100	SPST	50	110	1.5	45	-11	> 33	1.8	20	0/-15V	1.2*0.65*0.05	N/A
SKDN1025001100-2	SPDT	50	110	2.5	35	-14	30	1.5	20	0/-15V	1.2*1*0.05	N/A
SKDN1025001100	SPDT	50	110	2	23	-11	> 33	1.8	20	0/-15V	1*0.9*0.05	N/A
SKDN1027001100	SPDT	70	110	1.8	22	-13	30	1.6	20	0/-15V	1.25*0.65*0.05	N/A
SKDN1027001000	SPDT	70	100	2.1	32	-11	> 33	1.8	20	0/-40V	1.7*0.65*0.05	N/A
SKDN1027501100-2	SPDT	75	110	1.9	45	-13	> 37	1.6	20	0/-15V	1.03*1*0.08	N/A
SKDN101A8001000	SPST	80	100	1.4	45	-16	> 30	1.4	20	0/-15V	1.43*0.65*0.05	N/A
SKDN101920960	SPST	92	96	1.5	50	-18	> 33	1.3	20	0/-40V	1.2*1*0.05	N/A

Part Number	Type	Low Freq. (GHz)	High Freq. (GHz)	I.L. (dB)	Isolation (dB)	Return Loss (dB)	Input P-1 (dBm)	VSWR	Dimension (mm)	Datasheet
SKDQ106A000040	SPDT	0	4	1.3	40	16	25	1.4	1.6*2.15*0.1	N/A
SKDQ104A000200/M	SPDT	0	20	1.8/2.5	45	14	25	1.5	1.8*2*0.08	N/A
SKDQ104A000180/M	SPST	0	18	1.8/2.6	50	18	25	1.3	1.8*2*0.08	N/A
SKDQ104000350	SPST	0	35	2.5	35	18	25	1.3	1.45*1.2*0.08	N/A
SKDQ103000180-2	SPDT	0	18	1.2/2.5	50	21	25	1.2	1.55*1.5*0.1	N/A
SKDQ103000180-1	SPDT	0	18	1.7	55	18	25	1.3	1.55*1.5*0.1	N/A
SKDQ103000120	SPDT	0	12	2	60	18	25	1.3	1.8*1.8*0.08	N/A
SKDQ102A000250	SPDT	0	25	2	45	18	25	1.3	2*1*0.08	N/A
SKDQ102A000200	SPST	0	20	2	55	21	25	1.2	2*1*0.08	N/A
SKDQ102A000180-1	SP3T	0	18	1.5	60	21	25	1.2	1.5*1.2*0.08	N/A
SKDQ102A000040	SPDT	0	4	0.9	55	18	25	1.3	1.05*0.9*0.1	N/A
SKDQ102000200	SP4T	0	20	1.5	40	18	25	1.3	1*1*0.08	N/A
SKDQ101A000200	SPDT	0	20	1.2	55	21	25	1.2	1.07*1*0.08	N/A
SKD106A000040	SP3T	0	4	1.3	40	16	25	1.4	1.5*2.15*0.1	N/A
SKD104A000040	SPDT	0	4	1	50	18	25	1.3	1.5*1.5*0.1	N/A
SKD103A000060	SPDT	0	6	1.5	45	18	25	1.3	1.57*1.92*0.1	N/A
SKD103000060	SPDT	0	6	0.9	40	18	25	1.3	1.92*1.57*0.1	N/A
SKD102A000250	SPDT	0	25	2	45	18	25	1.3	1*2*0.08	N/A
SKD102A000200	SPDT	0	20	2	55	18	25	1.3	1*2*0.08	N/A
SKD102A000040-1	SPDT	0	4	0.8	55	18	25	1.3	1.33*1*0.1	N/A
SKD102010120	SPDT	0	12	0.7	38	18	25	1.3	0.8*0.75*0.1	N/A
SKD102010040	SPDT	0	4	0.5	35	21	25	1.2	0.7*0.7*0.1	N/A
SKD102000400	SPDT	0	40	2.5	40	18	25	1.3	1.01*1.29*0.08	N/A
SKD102000200	SPDT	0	20	1.3	40	18	25	1.3	1.05*1*0.1	N/A
SKD102000120	SPDT	0	12	0.8	40	18	32	1.3	1.01*1*0.1	N/A
SKD102000100-1	SPDT	0	11	0.8	32	21	25	1.2	0.7*0.9*0.1	N/A
SKD102000100	SP4T	0	10	1	50	18	25	1.3	1.45*1.44*0.1	N/A
SKD101000500	SPDT	0	50	1	22	18	25	1.3	1.3*1.3*0.08	N/A
SKD101000400	SPDT	0	40	0.8	40	18	25	1.3	1.57*0.8*0.1	N/A
SKDQ102A002040	SPDT	0.2	4	0.8	70	18	25	1.3	1.8*1.7*0.1	N/A
SKDQ104A010040/M	SPDT	0.5	4	0.8	50	21	25	1.2	1.5*1.5*0.08	N/A
SKD102A005060	SP3T	0.5	6	0.8	42	18	25	1.3	0.75*1*0.08	N/A

Part Number	Type	Low Freq. (GHz)	High Freq. (GHz)	I.L. (dB)	Isolation (dB)	Return Loss (dB)	Input P-1 (dBm)	VSWR	Dimension (mm)	Datasheet
SKD103050060-1/-1M	SP3T	5	6	0.8/1.8	50	18	25	1.3	2*2*0.1	N/A
SKD103060180B	SP3T	6	18	3	40	18	25	1.3	1.9*1.52*0.1	N/A
SKD103060180A	SP3T	6	18	2/3.3	40	18	25	1.3	1.92*1.57*0.1	N/A
SKD103A080120	SP3T	8	12	2	40	18/21	25	1.3/1.2	1.57*1.92*0.1	N/A
SKD103080120-2	SP3T	8	12	1.5/2.5	43	18	25	1.3	1.92*1.57*0.1	N/A
SKD103080120-1	SP3T	8	12	1.5/2.5	43	18	25	1.3	1.92*1.57*0.1	N/A
SKD103080120	SP3T	8	12	2	40	18	25	1.3	1.52*1.9*0.1	N/A
SKD102080120	SPDT	8	12	0.8	20	18	33	1.3	1.25*1.8*0.1	N/A
SKD103140180	SP3T	14	18	1.5/2.7	35	18	25	1.3	1.35*1.45*0.1	N/A
SKDQ102170230	SPDT	17	23	0.8	28	18	25	1.3	1.8*1*0.08	N/A
SKD102170230	SPDT	17	23	0.8	28	18	25	1.3	1.8*0.8*0.1	N/A
SKD102180230	SPDT	18	23	2.2	35	12	25	1.7	0.8*1.1*0.1	N/A
SKD102200400	SPDT	20	40	1.8	40	11	25	1.8	1*1.2*0.08	N/A
SKD101A200400	SPST	20	40	0.8	25	14	25	1.5	1.2*0.72*0.08	N/A
SKD102250320	SPDT	23	32	1	22	18	25	1.3	1.55*0.8*0.08	N/A
SKDQ102250320	SPDT	25	32	1	22	18	25	1.3	1*1.55*0.08	N/A
SKD102250300	SPDT	25	30	0.8	23	18	25	1.3	1.55*0.8*0.08	N/A
SKDQ102300400	SPDT	30	40	0.8	24	18	25	1.3	1*1.55*0.08	N/A
SKD102300400	SPDT	30	40	0.8	24	18	25	1.3	1.55*0.8*0.08	N/A
SKDQ102350500	SPDT	35	50	1.3	20	14	25	1.5	1*1.4*0.08	N/A
SKD102350500	SPDT	35	50	1.3	20	14	25	1.5	0.8*1.4*0.08	N/A
SKDQ102400660	SPDT	40	66	1.8	20	14	25	1.5	1.3*1*0.08	N/A
SKDQ102500600	SPDT	50	60	1.5	20	14	25	1.5	1.3*1.2*0.08	N/A

Part Number	Low Freq. (GHz)	High Freq. (GHz)	Bit	Step (dB)	I.L. (dB)	VSWR	Attenuation Accuracy	Switch Time (ns)	Control	Dimension (mm)	Datasheet
SSDQ000180-06-3	0	18	6	0.5	3.5	1.2	±(0.3+5%Ai)	20	TTL(-5V)	2.2*1*0.08	N/A
SSD000200-01	0	20	1	32	2	1.4	±1.5	20	0/-5V	1.2*1.1*0.1	N/A
SSD000200-03-1	0	20	3	0.25	0.4	1.4	±0.2	20	0/-5V	1.35*0.97*0.1	N/A
SSD000200-03	0	20	3	0.25	0.55	1.3	±(0.3+5%Ai)	20	0/5V	1.35*1*0.1	N/A
SSD020180-01-1	0	18	1	20	1.5	1.2	±1	20	0/-5V	0.8*0.8*0.08	N/A
SSD020180-01	0	18	1	10	1.5	1.2	±0.5	20	0/-5V	0.8*0.8*0.08	N/A
SSD000180-06-1	0	18	6	0.5	4	1.3	±(0.3+5%Ai)	20	0/-5V	2.6*1*0.1	N/A
SSD000180-06	0	18	6	0.3	3.5	1.4	±(0.2+5%Ai)	20	0/-5V	2.35*1.2*0.1	N/A
SSD000180-03-2	0	18	3	0.25	1.6	1.5	±0.2	20	0/-5V	1.35*1*0.1	N/A
SSD000180-03-1	0	18	3	0.2	0.5	1.5	±0.2	20	0/-5V	1.2*1.03*0.1	N/A
SSD000180-3	0	18	3	0.5	1.5	1.3	±0.3	20	0/-5V	1.22*1.2*0.1	N/A
SSD000180-01	0	18	1	20	2	1.4	±1	20	0/-5V	1.2*0.95*0.1	N/A
SSD000120-06	0	12	6	0.25	2.5	1.3	±(0.2+5%Ai)	20	0/-5V	2.33*1.13*0.1	N/A
SSD000100-04	0	10	4	0.3	1.3	1.4	20	±(0.2+5%Ai)	0/-5V	1.45*1.2*0.1	N/A
SSD000080-06	0	8	6	0.3	2.5	1.4	±(0.2+5%Ai)	20	0/-5V	2.35*1.2*0.1	N/A
SSD000080-01	0	8	1	32	2	1.4	±2.5	20	0/-5V	1.45*1.2*0.1	N/A
SSD000065-5	0	6.5	5	0.5	2	1.3	±(0.2+5%Ai)	20	0/-5V	2.33*1.2*0.1	N/A
SSD000060-07	0	6	7	0.5	4	1.4	±(0.2+6%Ai)	20	0/-5V	4.32*1.2*0.1	N/A
SSD000060-06-2	0	6	6	0.25	0.8	1.3	±(0.3+5%Ai)	20	-5V/0V	2*0.8*0.1	N/A
SSD000060-06-1	0	6	6	0.5	2	1.3	±(0.3+5%Ai)	20	-5V/0V	2.2*1*0.1	N/A
SSD000040-06	0	4	6	0.5	1.3	1.3	±(0.3+4%Ai)	20	0/-5V	2.1*0.95*0.1	N/A
SSDQ010080-06	1	8	6	0.5	2	1.3	±(0.3+5%Ai)	20	TTL(5V)	1.5*1*0.08	N/A
SSD020060-6	2	6.5	6	0.5	3	1.4	±(0.3+5%Ai)	20	0/-5V	3.25*1.2*0.1	N/A
SSD020060-5	2	6.5	5	0.5	2	1.3	±(0.2+5%Ai)	20	0/-5V	2.33*1.2*0.1	N/A
SSD050060-06-1	5	6	6	0.5	1.8	1.4	±(0.3+4%Ai)	20	0/-5V	3.25*1*0.1	N/A
SSD050060-05	5	6	5	0.5	2	1.3	±(0.3+3%Ai)	20	0/-5V	2.33*1.2*0.1	N/A
SSD060180-6	6	18	6	0.5	5	1.5	±(0.3+8%Ai)	20	0/-5V	3.25*1.2*0.1	N/A
SSD060180-05-1	6	18	5	0.5	3.8	1.4	±(0.3+5%Ai)	20	0/-5V	2.35*1.25*0.1	N/A
SSD060180-03-1	6	18	3	5	3.5	1.5	±(0.3 5%Ai)	20	0/-5V	2.49*1.24*0.1	N/A
SSD080120-06-1	8	12	6	0.5	3.5	1.4	±(0.3+5%Ai)	20	0/-5V	3.25*1.25*0.1	N/A
SSD090100-06	9	10	6	0.5	3.2	1.3	±(0.3+5%Ai)	20	0/-5V	3.25*1.2*0.1	N/A
SSD090100-05	9	10	5	0.5	2.5	1.3	±(0.3+5%Ai)	20	0/-5V	2.33*1.2*0.1	N/A

Part Number	Low Freq. (GHz)	High Freq. (GHz)	Bit	Step (dB)	I.L. (dB)	VSWR	Attenuation Accuracy	Switch Time (ns)	Control	Dimension (mm)	Datasheet
SSD140180-06	14	18	6	0.5	4.5	1.4	$\pm(0.3+5\%Ai)$	20	0/-5V	3*1.25*0.1	N/A
SSD140180-03	14	18	3	25	0.8	1.4	± 1.5	20	0/-5V	0.8*1*0.08	N/A
SSD170230-05	17	23	5	0.5	2.5	1.5	$\pm(0.3+5\%Ai)$	20	0/-5V	1.35*1.08*0.1	N/A
SSD190230-06	19	23	6	0.5	2	1.5	$\pm(0.3+5\%Ai)$	20	0/-5V	3.25*1*0.1	N/A
SSD200400-05	20	40	5	0.5	1.8	1.4	$\pm(0.3+7\%Ai)$	20	0/-5V	2.35*1*0.1	N/A
SSD200400-03-1	20	40	3	0.4	1.8	1.4	$\pm(0.2+5\%Ai)$	20	0/-5V	0.85*0.75*0.1	N/A
SSD250500-06	25	50	6	0.5	3.5	1.5	$\pm(0.3+6\%Ai)$	20	0/-5V	3.1*1.05*0.1	N/A
SSDQ300400-01-1	30	40	1	30	1.4	1.4	± 2.5	20	TTL(-5V)	1.7*1*0.08	N/A
SSDQ300400-01	30	40	1	20	1.2	1.3	± 1	20	TTL(-5V)	1.5*1*0.08	N/A
SSD300400-05-1	30	40	5	0.5	2	1.5	$\pm(0.2+7\%Ai)$	20	0/-5V	2.35*1*0.1	N/A
SSD420460-05	42	46	5	0.5	2.6	1.4	$\pm(0.2+5\%Ai)$	20	0/-5V	2.05*0.8*0.1	N/A

Part Number	Low Freq. (GHz)	High Freq. (GHz)	Bit	Step (dB)	Accuracy (°)	I.L. (dB)	ΔI.L. (dB)	VSWR	Voltage (V)	Dimension (mm)	Datasheet
SYDQ004006-6(TTL)	0.41	0.61	6	5.625	3	-5	±0.4	1.5	-5V/TTL	5.5*2*0.08	N/A
SYD004006-6	0.45	0.65	6	5.625	1.5	-7	±0.4	1.5	0V/-5V	8.4*1.78*0.1	N/A
SYDQ008027-6(TTL)	0.8	2.7	6	5.625	3	10	±0.9	1.6	0V/5V	3.6*3.3*0.1	N/A
SYD008024-6	0.8	2.4	6	5.625	3	-12	±1	1.5	0V/-5V	5.4*3.35*0.1 +4.45*2.8*0.1	N/A
SYDQ008020-6(TTL)	0.8	2	6	5.625	3	-9.6	±0.5	1.4	0V/-5V	3*5.5*0.1	N/A
SYD008017-6	0.8	1.7	6	5.625	3	-9	±0.5	1.4	0V/-5V	4.37*2.66*0.1 +5.43*3.27*0.1	N/A
SYD009013-6	0.9	1.3	6	5.625	1.5	-5	±0.3	1.3	0V/-5V	5.34*1.98*0.1	N/A
SYD010015-6	1	1.5	6	5.625	1.5	-5	±0.3	1.3	0V/-5V	5.34*1.92*0.1	N/A
SYD011018-1-1	1.1	1.8	1	Continuous tunable	/	-7	±1	2	0V-5V	4.15*0.45*0.075	N/A
SYD011017-6	1.1	1.7	6	5.625	2	-5	±0.3	1.3	0V/-5V	5.34*1.98*0.1	N/A
SYD012014-6-1	1.2	1.4	6	5.625	1	-4	±0.3	1.3	0V/-5V	4.85*1.9*0.1	N/A
SYD014020-6	1.4	2	6	5.625	1.5	-6	±0.3	1.3	0V/-5V	5.34*1.9*0.1	N/A
SYDQ020180-6-4/-4M(TTL)	2	18	6	5.625	3	-12	±1	2	-5V/TTL	5.7*1.9*0.08	N/A
SYD020025-6	2	2.5	6	5.625	1	-4.8	±0.3	1.3	0V/-5V	4.5*1.5*0.1	N/A
SYDQ027035-6(TTL)	2.7	3.5	6	5.625	1	-5	±0.3	1.3	0V/-5V	4.18*1.5*0.1	N/A
SYD040120-6-1	4	12	6	5.625	1.5	-10	±1	1.5	0V/-5V	2.2*2.8*0.08	N/A
SYD050180-6	5	18	6	5.625	3.5	12	±1	1.8	0V/-5V	2.65*1.7*0.08	N/A
SYDQ050120-6(TTL)	5	12	6	5.625	3.5	10	±0.8	1.6	-5V/TTL	3.5*5*0.08	N/A
SYDQ060180-6	6	18	6	5.625	6	14	±1.5	2	-5	2.74*3.5*0.1	N/A
SYD060180-6-3	6	18	6	5.625°	1.5°	16	0.8	1.4	-5	2.7*1.9*0.08	N/A
SYDQ070090-6(TTL)	7.2	8.4	6	5.625	2.5	-6	±0.6	1.5	-5V/TTL	3*2*0.08	N/A
SYD080160-6-1	8	16	6	5.625	4	-13	±0.8	1.8	0V/-5V	2.45*2.3*0.08	N/A
SYD080120-6-2	8	12	6	5.625	1.5	-7.5	±0.4	1.4	0V/-5V	4.05*1.86*0.1	N/A
SYD085105-6	8.5	10.5	6	5.625	1.5	-7	±0.3	1.4	0V/-5V	4.05*1.36*0.1	N/A
SYDQ090100-4-1(TTL)	9	10	4	2.8	1	-1	±0.2	1.2	-5V/TTL	1.7*1.5*0.1	N/A
SYD090100-6	9	10	6	5.625	1.5	-6.5	±0.3	1.4	0V/-5V	4.05*1.36*0.1	N/A
SYD100180-5	10	18	5	11.25	5	-11	±0.5	1.3	0V/-5V	2.9*3.15*0.1	N/A
SYD120150-6	12	15	6	5.625	1.5	-8	±0.3	1.4	0V/-5V	3.1*1.21*0.1	N/A
SYD170210-6	17	21	6	5.625	2	-8	±0.6	1.5	0V/-5V	3.5*1.46*0.08	N/A
SYDQ180400-6(TTL)	18	40	6	5.625	4	-8	±0.6	1.6	-5V/TTL	1.6*2.38*0.08	N/A
SYDQ186212-6(TTL)	18.6	21.2	6	5.625	3	-9	±0.7	1.8	0V/3.3V	3.3*1.8*0.08	N/A
SYD190230-6	19	23	6	5.625	2	-8	±0.6	1.5	0V/-5V	3.6*1.36*0.1	N/A

Digital Phase Shifter

Part Number	Low Freq. (GHz)	High Freq. (GHz)	Bit	Step (dB)	Accuracy (°)	I.L. (dB)	ΔI.L. (dB)	VSWR	Voltage (V)	Dimension (mm)	Datasheet
SYD220260-6	22	26	6	5.625	2	-9	±0.6	1.5	0V/-5V	3.19*1.39*0.1	N/A
SYD250310-6	25	31	6	5.625	3	-7	±0.5	1.5	0V/-5V	2.9*1.35*0.08	N/A
SYD250285-6	25	28.5	6	5.625	2	-8	±0.5	1.5	0V/-5V	3.21*1.31*0.1	N/A
SYD280320-6	28	32	6	5.625	2.5	-8	±0.4	1.5	0V/-5V	3.2*1.4*0.1	N/A
SYDQ290310-6(TTL)	29	31	6	5.625	3	-9	±1	1.7	0V/3.3V	1.5*1.8*0.1	N/A
SYD300400-6-1	30	40	6	5.625	3.5	-7.5	±0.6	1.8	0V/-5V	2.8*1.1*0.08	N/A
SYD330370-5	33	37	5	5.625	2	-7	±0.5	1.5	0V/-5V	2.6*1.1*0.08	N/A
SYD330370-6/6M	33	37	6	5.625	4.5	-10	±1	1.8	0V/-5V	2.8*1.1*0.08	N/A
SYD330370-5-1	33	37	5	11.25	2	-7	±0.5	1.5	0V/-5V	2.6*1.1*0.08	N/A
SYD420460-5	42	46	5	11.25	2	-8.5	±0.5	1.5	0V/-5V	2.4*1*0.1	N/A

Part Number	Low Freq. (GHz)	High Freq. (GHz)	Bit	Step (ps)	Accuracy	I.L. (dB)	Δ I.L. (dB)	VSWR	Driving Voltage (V)	Dimension (mm)	Datasheet
SDDQ003020-6	0.3	2	6	25ps	±(T*10%)	11	±0.7	1.5	-5V/TTL	4.35*5*0.08	N/A
SDD003020-6	0.3	2	6	25ps	±(T*10%)	11	±0.7	1.5	0V/-5V	4*5*0.08	N/A
SDDQ004007-3	0.4	0.7	3	0.125 wavelength	±3%*T	6	±0.5	1.3	-5V/TTL	5*4*0.1	N/A
SDDQ004007-1	0.4	0.7	1	1 wavelength	±(T*5%)	8	±0.3	1.3	-5V/TTL	5*4*0.1	N/A
SDD005060-8	0.5	6	8	5ps	±5%*T	16	±1	1.4	0V/-5V	5.5*3.5*0.1	N/A
SDDQ020180-5-2	2	18	5	2.5ps	±5%*T	11	±0.8	1.6	-5V/TTL	2.4*3.1*0.08	N/A
SDDQ020060-7	2	6	7	2.5ps	2.5ps	11	±0.5	1.2	-5V/TTL	4.1*2.5*0.1	N/A
SDDQ020060-2	2	6	2	2.5ps	±0.8ps	1.5	±0.3	1.2	-5V/TTL	1.6*2*0.1	N/A
SDD047057-9	4.7	5.7	9	1.21ps	2°	11	±0.4	1.4	0V/-5V	10*2.55*0.1	N/A
SDD050060-3	5	6	3	0.5 wavelength	5ps	8	±0.4	1.4	0V/-5V	4.65*2.2*0.1	N/A
SDD052058-5	5.2	5.8	5	6.25ps	5ps	7.5	±0.15	1.2	0V/-5V	5.05*1.8*0.1	N/A
SDDQ060180-6	6	18	6	6ps	±(T*10%)	18.5	±1.6	1.5	-5V/TTL	3.3*3.3*0.1	N/A
SDDQ060180-2	6	18	2	384ps	±(T*10%)	27	±1.8	1.4	-5V/TTL	3.3*5*0.1	N/A
SDDQ060180-7-1	6	18	7	6ps	±(T*10%)	20	±1	1.3	-5V/TTL	6.2*2.8*0.1	N/A
SDD060180-6	6	18	6	5.625°	5°	13.5	±1	1.5	0V/-5V	2.5*2*0.08	N/A
SDDQ070130-4	7	13	4	0.5 wavelength	±(T*10%)	20	±0.8	1.6	-5V/TTL	4.37*3.37*	N/A
SDDQ070130-1-1	7	13	1	8 wavelength	±(T*10%)	14	±0.5	1.6	-5V/TTL	1.97*4.37*	N/A
SDDQ070130-1	7	13	1	4 wavelength	±(T*10%)	8	±0.4	1.6	-5V/TTL	2.22*2.42*	N/A
SDDQ080120-4	8	12	4	0.5 wavelength	±4%*T	16	±0.3	1.4	-5V/TTL	3.95*4.75*0.08	N/A
SDDQ080120-3-1	8	12	3	50ps	±5%*T	11	±0.3	1.4	-5V/TTL	2.9*2.2*0.08	N/A
SDDQ080120-3	8	12	3	1 wavelength	±5%*T	12	±0.5	1.4	-5V/TTL	3.2*3.4*0.1	N/A
SDDQ080120-2	8	12	2	1 wavelength	10ps	12	±0.5	1.4	-5V/TTL	3.2*3.4*0.1	N/A
SDDQ080120-1-2	8	12	1	4 wavelength	±(T*5%)	8	±0.5	1.4	-5V/TTL	2.13*2.94*0.08	N/A
SDDQ080120-1-1	8	12	1	16 wavelength	±(T*3%)	26	±0.5	1.3	-5V/TTL	4.75*4.75*0.08	N/A
SDDQ080120-1	8	12	1	8 wavelength	25ps	13.5	±0.4	1.4	-5V/TTL	2.3*4.75*0.08	N/A
SDD080120-6-4	8	12	6	5.625°	4°(RMS)	12	±1	1.8	-5V/TTL	4.7*1.7*0.08	N/A
SDD080120-3-1	8	12	3	100ps	±10ps	15	±1	1.8	-5V/TTL	4.2*3.2*0.08	N/A
SDD080120-6-2	8	12	6	5.625°	4°	8	±0.3	1.5	0V/-5V	4.8*1.7*0.1	N/A
SDD080120-4	8	12	4	0.25 wavelength	10ps	12	±0.5	1.4	0V/-5V	3.45*2.25*0.1	N/A
SDD080120-3	8	12	3	1 wavelength	10ps	12	±0.3	1.4	0V/-5V	3.4*3.1*0.1	N/A
SDD080120-2	8	12	2	1 wavelength	10ps	12	±0.5	1.4	0V/-5V	3.2*3.4*0.1	N/A
SDD080120-1-2	8	12	1	832ps	±(T*10%)	15	±1	1.5	0V/-5V	2.3*4.7*0.08	N/A

Digital Time delayer

Part Number	Low Freq. (GHz)	High Freq. (GHz)	Bit	Step (ps)	Accuracy	I.L. (dB)	Δ I.L. (dB)	VSWR	Driving Voltage (V)	Dimension (mm)	Datasheet
SDD080120-1-1	8	12	1	415ps	$\pm(T*10\%)$	8.5	± 0.5	1.5	0V/-5V	2.3*4.7*0.08	N/A
SDDQ131143-4	13.1	13.1	4	36ps	$\pm(T*10\%)$	16.5	± 0.5	1.5	-5V/TTL	3.5*2.8*0.08	N/A
SDDQ131143-3	13.1	14.3	3	36ps	$\pm(T*10\%)$	12.5	± 0.5	1.5	-5V/TTL	2.7*2.3*0.08	N/A
SDDQ180400-6	18	40	6	1ps	$\pm(T*8\%)$	30	± 0.5	1.4	-5V/TTL	4.2*1.7*0.1	N/A
SDDQ190215-3	19	21.5	3	50ps	5°(RMS)	15	± 0.6	1.3	-5V/TTL	2.9*2.4*0.08	N/A
SDDQ290310-4	29	31	4	16.5ps	$\pm(T*10\%)$	21	± 0.8	1.5	-5V/TTL	3.85*2.2*0.08	N/A
SDDQ290310-3	29	31	3	33ps	$\pm(T*10\%)$	17	± 0.8	1.4	-5V/TTL	2.95*2.2*0.08	N/A
SDDQ290310-1	29	31	1	264ps	$\pm 5\%*T$	9	± 0.5	1.3	-5V/TTL	1.9*2.2*0.08	N/A
SDD320400-3	32	40	3	28.5ps	$\pm(T*10\%)$	15	± 1	1.5	0V/-5V	3*2.7*0.08	N/A
SDD320360-4	32	36	4	29.5ps	$\pm(T*8\%)$	26	± 1	1.4	0V/-5V	4*2.9*0.08	N/A
SDD320360-1	32	36	1	470ps	$\pm(T*8\%)$	16	± 1	1.6	0V/-5V	3.2*2.9*0.08	N/A
















Part Number	Function	Low Freq. (GHz)	High Freq. (GHz)	IF Freq. (GHz)	I.L. (dB)	LO-RF Iso. (dB)	LO-IF Iso. (dB)	Dimension (mm)	Datasheet
SHDX001670-C180	Active harmonic	0.1	67	DC-5.0	6.5/18	50	30	0.85*0.65*0.1	N/A
SHDS005015-C90	Dual Balanced	0.5	1.5	DC-0.2	9	40	30	3.71*2.1*0.1	N/A
SHDS010030-C70	Dual Balanced	1	3	DC-1.3	7	30	15	3.48*2*0.08	N/A
SHDS016049-C70	Dual Balanced	1.6	4.9	DC-2.4	7	30	13	2.44*2*0.08	N/A
SHDS018050-C80	Dual Balanced	1.8	5	DC-2	7	40	/	1.99*1.5*0.1	N/A
SHDS020060-C75	Dual Balanced	2	6	DC-3.0	6.5	20	15	1.4*2.3*0.08	N/A
SHDS025060-C80	Dual Balanced	2.5	6	0.1-1.5	8	30	/	1.88*1.64*0.1	N/A
SHDS030200-C100	Dual Balanced	3	20	DC-4	9	50	30	1.9*1.17*0.08	N/A
SHDS035105-C70	Dual Balanced	3.5	10.5	DC-4.2	7	40	15	1*1.7*0.08	N/A
SHDZ036080-C75	I/Q	3.6	8	DC-2.5	8	35	20	2.43*2.14*0.08	N/A
SHDS040100-C80	Dual Balanced	4	10	DC-3.0	7	40	/	1.4*0.81*0.1	N/A
SHDZ040080-C80	I/Q	4	8	DC-6.0	10.5	35	40	2.43*2.14*0.08	N/A
SHDS044136-C75	Dual Balanced	4.4	13.6	DC-6.0	7.5	30	35	1.1*1.4*0.08	N/A
SHDS060180-C85	Dual Balanced	6	18	DC-3.0	7	35	/	1.5*1.2*0.1	N/A
SHDS060180-C80-1	Dual Balanced	6	18	DC-7.0	8	30	30	1.4*0.8*0.08	N/A
SHDZ085135-C80	I/Q	8.5	13.5	DC-3.5	8	40	17	1.49*1.14*0.08	N/A
SHDS090230-C80	Dual Balanced	9	23	DC-8.0	8	30	40	1*0.9*0.08	N/A
SHDZ110160-C80	I/Q	11	16	DC-3.5	8	40	20	1.49*1.14*0.08	N/A
SHDZ140240-C80	I/Q	14	24	DC-3.5	8	38	20	1.49*1.14*0.08	N/A
SHDPS170650-C80	Dual Balanced	18	65	DC-24	7	35	35	1.45*1.65*0.1	N/A
SHDS180500-C85	Dual Balanced	18	50	DC-18.0	8	35	25	1.3*0.97*0.08	N/A
SHDS180320-C80	Dual Balanced	18	32	DC-8.0	7.5	30	40	1.04*0.59*0.08	N/A
SHDS190400-C90-1/-1M	Dual Balanced	19	40	DC-18.0	9	30	32	1.01*0.82*0.08	N/A
SHDS190400-C90	Dual Balanced	19	40	DC-18.0	9	30	32	1*0.8*0.08	N/A
SHDS210430-C75	Dual Balanced	21	43	DC-18.0	7.5	28	32	1*1.4*0.08	N/A
SHDS240400-C75	Dual Balanced	24	40	DC-18.0	7.5	28	35	1*0.8*0.08	N/A
SHDZ310380-C85	I/Q	31	38	DC-3	7.5	30	15	1.35*1.6*0.08	N/A
SHDX330420-C110	2nd Harmonic	33	42	DC-3.0	11	23	50	1.05*1.4*0.08	N/A
SHDN500750-C90	Single Balanced	50	75	DC-18	8.5	37	/	1.03*1.68*0.05	N/A
SHDN7501100-C90	Single Balanced	75	110	DC-18.0	10	38	/	1.03*1.6*0.05	N/A

Part Number	Fin Low (GHz)	Fin High (GHz)	Fout Low (GHz)	Fout High (GHz)	Pin (dBm)	Pout (dBm)	Harmonics (dBc)	Consumption (V/mA)	Dimension (mm)	Datasheet
SBDP076114-B4	1.9	2.85	7.6	11.4	-10	7	f0(45),2f0(22),3f0(22) 5f0(30),6f0(22)	70/+3.3V	1.6*1.0*0.1	N/A
SBDP040060-B2	2	3	4	6	-5	5.5	f0(25),3f0(35),4f0(20)	40/+3.3V	1.25*1.03*0.1	N/A
SBDP114164-B4	2.85	4.1	11.4	16.4	-10	9	f0(50),2f0(20),3f0(30) 5f0(30),6f0(25)	65/+3.3V	1.6*1.0*0.1	N/A
SBD060220-B2	3	11	6	22	10	0	f0(40),3f0(40)	/	1.3*1.0*0.08	N/A
SBD060200-B2	3	10	6	20	15	3	f0(30),3f0(30)	/	0.8*0.8*0.08	N/A
SBD080210-B2	4	10.5	8	21	5	17	f0(28),3f0(22)	94/+5V	1.7*1.0*0.08	N/A
SBD250400-B6	4.17	6.67	25	40	0	15	5f0(15),7f0(15)	125/+5V	1.9*1.2*0.08	N/A
SBD250400-B4	6.25	10	25	40	0	16	3f0(20),5f0(20)	125/+5V	1.9*1.2*0.08	N/A
SBD300400-B4	7	10.5	30	40	-18	0	3f0(35),5f0(35)	40/+5V	1.5*1.3*0.1	N/A
SBD220450-B3	7.33	15	22	45	0	2	2f0(35),4f0(40)	25/+5V	1.65*0.85*0.1	N/A
SBD150500-B2	7.5	25	15	50	0	15	f0(20),3f0(22)	220/+5V 30/-5V	1.56*1.62*0.08	N/A
SBD300320-B4	7.5	8	30	32	0	16	3f0(30),5f0(30)	125/+5V	1.9*1.2*0.08	N/A
SBD160440-B2	8	22	16	44	18	4	f0(25),3f0(25)	/	1.49*1.49*0.08	N/A
SBD350400-B4	8.5	9.5	34	38	13	12	f0(50),2f0(30),3f0(60)	90/+3.5V	2.8*1.7*0.05	N/A
SBD180290-B2	9	14.5	18	29	3	18	f0(30),3f0(20)	80/+5V	1.23*1.18*0.08	N/A
SBD790960-B8	9.875	12	79	96	0	12	7f0(30),9f0(30)	130/+5V	1.85*1.2*0.1	N/A
SBDN800940-B8	11	12.25	88	98	13	13	7f0(50),9f0(50),10f0(60)	250/+7v	3.65*1.68*0.05	N/A
SBD220440-B2	11	22	22	44	5	18	f0(25),3f0(20)	150/+5V	1.95*1.15*0.08	N/A
SBD720860-B6	12	14	72	86	0	12	5f0(30),7f0(30)	90/ 5V	1.8*1.0*0.1	N/A
SBD240330-B2-1	12	16.5	24	33	3	15	f0(40),3f0(50)	80/+5V	1.23*1.18*0.08	N/A
SBD240330-B2	12	16.5	24	33	3	15	f0(30),3f0(30)	80/+5V	1.23*1.18*0.08	N/A
SBDN520620-B4-1	13	15.5	52	62	7	16	f0(60),2f0(50),3f0(50)	220/+5V	3.08*1.68*0.05	N/A
SBDN520620-B4	13	15.5	52	62	13	16	f0(60),2f0(40),3f0(55)	75/ 5V	2.68*1.68*0.05	N/A
SBDP400800-B2	20	40	40	80	15	4	f0(25),3f0(30)	/	1.12*0.62*0.1	N/A
SBDP400900-B2	20	45	40	90	15	4.5	f0(22),3f0(30)	/	0.72*0.52*0.1	N/A
SBDP400800-B2-2	20	40	40	80	15	5.5	f0(30),3f0(30)	3.85/+1.5V 3.85/-1.5V	0.85*0.83*0.1	N/A
SBDN760960-B4	22	25	88	100	13	13	5f0(50)	170/+7V	2.85*1.68*0.05	N/A
SBD7501100-B3	25	37	75	110	10	12	2f0(30),4f0(30)	45/ 5V	1.3*1.2*0.1	N/A








Part Number	Low Freq. (GHz)	High Freq. (GHz)	I.L. (dB)	VSWR _{in}	VSWR _{out}	Limit Power (dBm)	Handling Power (W)	Mode	Dimension (mm)	Datasheet
SID001040-P40	0.1	4	0.3	1.3	1.3	14.5	46	3ms 35%	1.2*1.4*0.1	N/A
SID001400-C02	0.1	40	1	2	2	14	1	CW	1.7*1.2*0.1	N/A
SID003020-C10	0.3	2	0.3	1.5	1.5	16.5	10W CW(80W PL)	PW=1us,DC=10%	1.5*1.3*0.1	N/A
SID012014-P80	1.2	1.4	0.2	1.4	1.4	16	49	PW=1ms,DC=30%	1.2*1.6*0.1	N/A
SID012014-P20/P20M	1.2	1.4	0.2	1.4	1.4	16	46	PW=1ms,DC=30%	1.2*1.6*0.1	N/A
SID012035-P40	1.2	3.5	0.3	1.3	1.3	14.5	46	3ms 35%	1.2*1.4*0.1	N/A
SID020180-C05-1	2	18	0.6	1.5	1.5	17	37	CW	1.23*0.66*0.1	N/A
SID020060-P200	2	6	0.5	1.4	1.4	16	53	PW=1us,DC=1%	1.5*1.2*0.1	N/A
SID020180-C05	2	18	0.6	1.5	1.5	15	5	CW	1.23*0.66*0.1	N/A
SID020060-P80	2	6	0.5	1.5	1.5	16.5	80W	PW=0.02ms,DC=10%	1.5*1.3*0.1	N/A
SID020060-C10-1	2	6	0.4	1.5	1.5	17	10	CW	2*0.78*0.1	N/A
SID027035-P180	2.7	3.5	0.5	1.5	1.5	18.5	150	CW	2.4*1.5*0.1	N/A
SID027035-C20	2.7	3.5	0.4	1.3	1.3	13.5	20	CW	2.62*1.83*0.1	N/A
SID050120-P40	5	12	0.7	1.6	1.6	17	40	PW=2ms,DC=30%	1.6*1.3*0.1	N/A
SID050060-P80	5	6	0.7	1.7	1.7	18	100W	PW=0.8ms,DC=20%	2*1.5*0.1	N/A
SID050060-P30	5	6	0.5	1.5	1.5	18	41.8	30W (100us,10%)	1.4*1*0.1	N/A
SID053057-P150	5.3	5.7	0.9	1.8	1.8	暂无	150W PL	PW=3ms,DC=30%	3.31*2.81*0.1	N/A
SID060100-C40	6	10	0.6	1.3	1.3	14.5	46	CW	1.8*1.4*0.1	N/A
SID060180-P20	6	18	0.7	1.5	1.5	17	43	PW=400us,DC=30%	1.5*1*0.1	N/A
SID060180-P100	6	18	0.7	1.6	1.6	17	43	PW=1us,DC=1%	1.5*1*0.1	N/A
SID070086-C40	7	8.6	0.6	1.3	1.3	14.5	46	CW	1.8*1.4*0.1	N/A
SID080120-P50	8	12	0.7	1.4	1.4	16	47	PW=10ms,DC=30%	1.7*1.4*0.1	N/A
SID080120-C10	8	12	0.5	1.5	1.5	16	10W	CW	2*0.78*0.1	N/A
SID090100-P50	8.5	10.5	0.6	1.6	1.6	15	47	PW=2ms,DC=30%	1.4*1.4*0.1	N/A
SID085105-P50-1	8.5	10.5	0.6	1.6	1.6	15	47	PW=2ms,DC=30%	1.4*1.4*0.1	N/A
SID085160-P20	8.5	16	0.8	1.5	1.5	18	20W	PW=3ms,DC=30%	1.7*0.72*0.1	N/A
SID085105-P50	8.5	10.5	0.7	1.5	1.5	14	50W	PW=6ms,DC=30%	1.4*1.4*0.1	N/A
SID090102-C04/C04M	9	10.2	0.3	1.5	1.5	17	36	4W (CW)	0.8*0.9*0.1	N/A
SID100180-P25	10	18	0.75	1.4	1.4	15	25W	PW=3ms,DC=30%	1.4*1.1*0.1	N/A
SID150170-P50	15.7	17.7	0.9	1.6	1.6	16	47	CW	1.4*1.1*0.1	N/A
SID200220-C08	20	22	0.9	1.6	1.6	18	8	CW	1.2*1.2*0.1	N/A
SID320380-C06-1	32	38	0.8	1.3	1.3	16	38	CW	1.7*0.9*0.1	N/A

Part Number	Low Freq. (GHz)	High Freq. (GHz)	I.L. (dB)	VSWR _{in}	VSWR _{out}	Limit Power (dBm)	Handling Power (W)	Mode	Dimension (mm)	Datasheet
SID320400-C02	32	40	1.3	2	2	18	33	2W(CW)	1*1*0.1	N/A
SID330350-C02	33	35	0.8	1.5	1.5	17	2W(50us,20%)	2W(50us,20)	1.4*0.9*0.1	N/A

Part Number	Low Freq. (GHz)	High Freq. (GHz)	Dynamic (dB)	Log Err (dB)	Slope (mV/dB)	Trise (ns)	Tfall (ns)	VSWRin	Supply (V)	Iq (mA)	Dimension (mm)	Datasheet
SJD001200-D59	0.1	20	59	±3	-22~-18	20	10	-	3.3	31	1.1*0.77*0.2	N/A
SJD001120-D54	0.1	12	54	±3	-22~-18	20	10	-	3.3	31	1.1*0.77*0.2	N/A
SJD010320-D55	1	32	55	±3	-22~-18	20	12	-	3.3	52	1.3*1.2*0.1	N/A
SJD010230-D59	1	23	59	±3	-22~-18	20	10	-	3.3	21	1.1*0.77*0.2	N/A
SJD020180-D59	2	18	59	±3	-22~-18	20	10	-	3.3	31	1.12*0.79*0.2	N/A
SJD020350	2	35	-	-	-	-	-	1.8	5	6	1.15*0.9*0.08	N/A
SJD050440-D30	5	44	30	-	-	-	-	-	4.5	2	0.97*0.67*0.1	N/A
SJD5001000-D27	50	100	27	-	-	-	-	-	2.5	1	0.97*0.97*0.1	N/A


































Part Number	Freq F1 (GHz)	Power RFOUT1 (dBm)	Freq F2 (GHz)	Power RFOUT2 (dBm)	Phase Noise @100KHz (dBc/Hz)	Harmonics 1/2 Fo (dBc)	Supply Current (V/mA)	Dimension (mm)	Equivalent	Datasheet
BW422	6.75-7.45	12	1/2 Fo	7	-110	-40	5/180	2.50*1.60*0.1	HMC507	
BW423	7.30-8.20	13	1/2 Fo	8	-112	-35	5/190	2.50*1.60*0.1	HMC508	
BW424	7.80-8.60	11	1/2 Fo	8	-109	-35	5/180	2.50*1.60*0.1	HMC509	
BW426	8.25-9.15	12	1/2 Fo	7	-109	-30	5/200	2.50*1.60*0.1	HMC509	
BW430	8.65-9.70	10	1/2 Fo	8	-112	-30	5/200	2.50*1.60*0.1	HMC510	
BW427	8.90-9.80	11	1/2 Fo	8	-112	-30	5/200	2.50*1.60*0.1	HMC511	
BW431	9.10-10.30	10	1/2 Fo	7	-111	-30	5/200	2.50*1.60*0.1	HMC511	
BW428	9.35-10.55	11	1/2 Fo	11	-110	-30	5/200	2.50*1.60*0.1	HMC530	
BW432	9.50-10.80	10	1/2 Fo	9	-108	-25	5/200	2.50*1.60*0.1	HMC530	
BW429	10.30-11.50	10	1/2 Fo	9	-109	-25	5/200	2.50*1.60*0.1	HMC513	
BW433	11.00-12.40	10	1/2 Fo	11	-108	-20	5/200	2.50*1.60*0.1	HMC582	
BW434	11.90-13.30	9	1/2 Fo	11	-108	-20	5/200	2.50*1.60*0.1	HMC583	
BW435	12.90-14.10	8	1/2 Fo	11	-106	-20	5/200	2.50*1.60*0.1	HMC584	
BW436	13.90-15.10	6	1/2 Fo	11	-104	-18	5/200	2.50*1.60*0.1	HMC531	
BW418	23.80-25.00	9	1/16 Fo	-5	-92	-15	5/210	2.50*1.60*0.1	HMC533	
























Power Termination

Part Number	Low Freq. (GHz)	High Freq. (GHz)	Handling Power (W)	Impedance (ohm)	Input VSWR	Dimension (mm)	Type	Datasheet
BW1679	0.01	5	50	50	1.29	2.4*3.35*0.3	CVD	
BW526	0.01	22	10	50	1.29	1.02*1.37*0.1	GaN	
BW528	0.01	40	1	50	1.29	0.5*0.4*0.1	GaAs	
BW1685	0.01	4	10	50	1.44	1.8*1*0.1	GaN	
BW1661	8	12	30W(8ms,40% D.C)	50	1.29	1.65*0.8*0.08	GaN	
BW1662	8	12	20W(8ms,40% D.C)	50	1.23	1.2*0.7*0.08	GaN	
BW521	10	40	10	50	1.23	1.06*1.06*0.1	GaAs	










Power divider

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Part Number	Low Freq. (GHz)	High Freq. (GHz)	Type	IL (dB)	Isolation (dB)	VSWR	Dimension (mm)	Datasheet
BW510	0.01	40	0° 1:2	3.8	6.6	1.18	0.76*0.54*0.1	
BW490	0.5	1.5	0° 1:2	0.7	15	1.44	1.72*1.40*0.1	
BW1601	0.5	1.5	0° 1:2	0.7	22	1.23	1.7*1.40*0.1	
BW498	1	18	0° 1:2	1.8	22	1.23	2.60*2.20*0.1	
BW499	1	2	0° 1:2	0.7	30	1.23	1.10*1.10*0.1	
BW491	1	3	0° 1:2	0.7	18	1.29	1.40*1.12*0.1	
BW1602	1	3	0° 1:2	0.8	22	1.23	1.40*1.05*0.1	
BW1636/1633	1.2	2.4	45° 1:2	3	22	1.23	3.2*2.0*0.1	
BW1637/1634	1.2	2.4	90° 1:2	3	22	1.23	3.2*2.0*0.1	
BW1638/1635	1.2	2.4	135° 1:2	3	22	1.23	3.2*2.0*0.1	
BW1639	1.2	2.4	180° 1:2	3	22	1.23	3.2*2.0*0.1	
BW497	2	18	0° 1:2	1	20	1.23	2.00*2.05*0.1	
BW509	2	18	0° 1:4	2	20	1.44	3.85*4.3*0.1	
BW492	2	6	0° 1:2	0.6	18	1.29	1.21*1.02*0.1	
BW1603	2	6	0° 1:2	0.8	22	1.23	1.0*0.8*0.1	
BW505	2.5	6	0° 1:4	1.5	20	1.23	2.0*1.25*0.1	
BW493	3	9	0° 1:2	0.6	20	1.44	1.27*1.01*0.1	
BW1604	3	9	0° 1:2	0.8	22	1.23	1.1*1.0*0.1	
BW494	6	18	0° 1:2	0.6	20	1.29	1.01*0.80*0.1	
BW506	6	18	0° 1:2	0.8	22	1.23	1.0*0.8*0.1	
BW508	6	18	0° 1:4	1.5	20	1.23	1.7*1.1*0.1	
BW1600	6	18	0° 1:3	1	20	1.44	2.2*1.3*0.1	
BW1649	6	18	0° 2:4	1.1	22	1.29	1.6*2.7*0.1	
BW1608	8	12	0° 1:2	0.4	20	1.44	1.5*1.1*0.1	
BW500	8	12	0° 1:3	0.7	22	1.23	1.45*1.25*0.1	
BW1609	10	20	0° 1:2	0.8	28	1.23	0.90*1.40*0.1	
BW1607	12	18	0° 1:4	0.8	20	1.44	2.6*1.5*0.1	
BW495	12	26.5	0° 1:2	0.8	20	1.29	2.02*1.88*0.1	
BW501	14	18	0° 1:3	0.7	22	1.29	1.18*1.00*0.1	
BW502	15	17	0° 1:2	0.6	28	1.29	2.30*1.20*0.1	
BW496	18	40	0° 1:2	0.8	20	1.29	1.67*1.40*0.1	
BW507	22	32	0° 1:4	0.8	17	1.29	2.0*0.9*0.1	
BW1612	40	50	0° 2:4	3.5	20	1.44	2.90*1.70*0.1	





Part Number	Low Freq. (GHz)	High Freq. (GHz)	Attenuation (dB)	Attenuation Accuracy (dB)	Power handling (dBm)	VSWR	Dimension (mm)	Datasheet
BW068	DC	20	1	±0.3	40	1.44	0.70*1.00*0.1	
BW069	DC	20	2	±0.3	40	1.44	1.20*1.00*0.1	
BW070	DC	20	3	±0.3	40	1.44	1.70*1.00*0.1	
BW071	DC	20	4	±0.3	40	1.44	1.70*1.00*0.1	
BW072	DC	20	5	±0.3	40	1.44	1.70*1.00*0.1	
BW073	DC	20	6	±0.3	40	1.44	1.70*1.00*0.1	
BW074	DC	20	7	±0.3	40	1.44	1.70*0.90*0.1	
BW075	DC	20	8	±0.3	40	1.44	1.90*0.90*0.1	
BW076	DC	20	10	±0.5	40	1.44	1.70*1.30*0.1	
BW077	DC	20	15	±0.5	40	1.44	1.90*1.10*0.1	
BW078	DC	20	20	±0.5	40	1.44	1.90*1.20*0.1	
BW108	DC	40	0.15	0.3	-	1.23	0.57*0.62*0.1	
BW109	DC	40	0.15	0.3	-	1.23	0.57*0.79*0.1	
BW099	DC	40	0.5	±0.3	30	1.23	0.57*0.62*0.1	
BW101	DC	40	1	±0.3	30	1.23	0.57*0.62*0.1	
BW102	DC	40	2	±0.3	29	1.23	0.57*0.62*0.1	
BW103	DC	40	3	±0.3	28	1.23	0.57*0.62*0.1	
BW104	DC	40	5	±0.3	27	1.23	0.57*0.62*0.1	
BW105	DC	40	6	±0.3	27	1.23	0.57*0.62*0.1	
BW106	DC	40	10	±0.4	27	1.23	0.57*0.79*0.1	
BW107	DC	40	15	±0.4	27	1.23	0.57*0.79*0.1	
BW100	DC	40	20	±0.5	27	1.23	0.57*0.79*0.1	
BW098	DC	40	1.5/0/3	±0.3	27	1.23	1.05*0.62*0.1	
BW097	DC	40	1/0/2	±0.3	27	1.23	1.05*0.62*0.1	
BW096	DC	40	0.5/0/1	±0.3	27	1.23	1.05*0.62*0.1	
BW095	DC	40	3/0/5	±0.3	27	1.23	1.05*0.62*0.1	
BW094	DC	40	2/0/4	±0.3	27	1.29	1.05*0.62*0.1	




















Temperature Compensated Attenuator www.sainty-tech.com

Part Number	Low Freq. (GHz)	High Freq. (GHz)	Attenuation (dB)	Attenuation Accuracy (dB)	Rating Power (dBm)	Return Loss (dB)	Dimension (mm)	Datasheet
BTVA03N07GA	0.01	8	3	±0.5	23	15	1.91*1.52*0.3	
BTVA04N08GA	0.01	8	4	±0.5	23	15	1.91*1.52*0.3	
BTVA05N09GA	0.01	8	5	±0.5	23	15	1.91*1.52*0.3	
BTVA06N07GA	0.01	8	6	±0.6	23	15	1.91*1.52*0.3	
BMTVA03N09GB	0.01	18	3	±0.5	23	15	1.91*2.22*0.38	
BMTVA04N09GB	0.01	18	4	±0.5	23	15	1.91*2.22*0.38	
BMTVA04N07MA	0.01	18	4	±0.5	23	15	1.91*1.52*0.3	
BMTVA05N07MA	0.01	18	5	±0.5	23	15	1.91*1.52*0.3	
BMTVA06N06MA	0.01	18	6	±0.5	23	15	1.91*1.52*0.3	

Electric Control Attenuator



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Part Number	Low Freq. (GHz)	High Freq. (GHz)	IL (dB)	Attenuation Range (dB)	VSWR	Tuning Voltage (V)	Dimension (mm)	Datasheet
BW870	0.01	20	2	0-34	1.44	0~2	1.90*0.90*0.1	
BW871	2	3	1.5	0-40	1.44	0~2	1.50*1.40*0.1	
BW872	8	12	1.5	0-40	1.44	0~2	1.60*0.90*0.1	
BW873	12	18	1.5	0-40	1.44	0~2	1.60*0.70*0.1	








Part Number	Low Freq. (GHz)	High Freq. (GHz)	Type	IL (dB)	Isolation (dB)	VSWR	Dimension (mm)	Datasheet
BW536	0.8	2	90° bridge	1.5	23	1.16	1.8*1.0*0.1	
BW549	1.2	1.4	25dB coupler	0.1	-	1.23	2.2*1.3*0.1	
BW1700/1701	1.2	1.4	19dB coupler	0.2	40	1.23	2.05*1.65*0.1	
BW1702/1703	1.2	1.4	25dB coupler	0.1	45	1.23	2.20*1.30*0.1	
BW537	1.3	2.6	90° bridge	1.3	25	1.16	1.6*0.9*0.1	
BW540	2	6	15dB coupler	0.4	-	1.12	4*1.3*0.1	
BW541	2	6	20dB coupler	0.3	-	1.12	4*1.3*0.1	
BW542	2	19	20dB coupler	1.2	-	1.44	2.8*3.15*0.1	
BW548	2	18	15dB coupler	0.8	-	1.44	2.5*2.3*0.1	
BW530	2.4	3.6	90° bridge	0.6	23	1.23	1.25*0.85*0.1	
BW1705	5	6	20dB coupler	0.3	29	1.2	2.60*1.30*0.1	
BW531	6	18	90° bridge	0.9	25	1.18	2.00*0.80*0.1	
BW543	6	18	15dB coupler	0.5	-	1.23	1.84*1.3*0.1	
BW544	6	18	20dB coupler	0.4	-	1.23	2*1.3*0.1	
BW545	8	12	10dB coupler	0.4	-	1.2	2*1.3*0.1	
BW1748	8	12	90° bridge	1	20	1.23	0.9*2.2*0.1	
BW546	12	20	35dB coupler	0.6	-	1.16	2*2*0.1	
BW547	15	40	20dB coupler	0.8	-	1.23	1.55*0.9*0.1	
BW535	22	32	90° bridge	1.5	20	1.44	1.95*0.80*0.1	












Bias T



























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Part Number	Low Freq. (GHz)	High Freq. (GHz)	Insertion Loss (dB)	Input R.L (dB)	Output R.L (dB)	Max.Input DC (mA)	Max.Input RF Power (W)	Dimension (mm)	Datasheet
BW524/524A	1	11	0.2	25	25	150	5	0.65*1.21*0.1	
BW522	10	40	0.5	18	18	200	5	0.90*0.88*0.1	



Frequency Divider

Part Number	Low Freq. (GHz)	High Freq. (GHz)	Type	Output Power (dBm)	Reverse Leakage (dB)	Phase Noise @100KHz (dBc/Hz)	Supply Current (V/mA)	Dimension (mm)	Equivalent	Datasheet
BW443	DC	7	Divider By 3	-4	60	-146	+5/75	1.60*0.75*0.1	HMC437	
BW444	DC	7	Divider By 5	-3	55	-145	+5/80	1.60*1.0*0.1	HMC438	
BW440	DC	12	Divider By 2	-3	55	-146	+5/80	1.37*0.70*0.1	HMC492	
BW441	DC	12	Divider By 4	-3	60	-146	+5/95	1.60*0.75*0.1	HMC493	
BW442	DC	12	Divider By 8	-3	60	-146	+5/100	1.87*0.75*0.1	HMC494	
BW445	2	18	Divider By 2	-4	55	-146	+5/75	1.15*0.8*0.1	-	
BW446	10	20	Divider By 2	-4	55	-146	+5/75	1.20*0.8*0.1	-	

































Part Number	Current (mA)	Resistance (ohm)	Dimension (mm)	Type	Datasheet
BW1689-1695	2	300、500、600、1000、2000、4000、6000 separate	0.6*0.4*0.1	GaAs	
BW520	100	50/100/150	0.58*0.58*0.1	GaAs	
BW529	100	10/20/30	0.4*0.4*0.1	GaAs	
BW1699	100	470	1.05*1.45*0.1	GaN	
BW517	150	4/8/12	0.45*0.5*0.1	GaAs	
BW518	150	5/10/15	0.45*0.5*0.1	GaAs	
BW519	150	20/40/60	0.48*0.58*0.1	GaAs	
BW1698	150	430	1.05*1.35*0.1	GaN	
BW1697	200	200	1.05*0.9*0.1	GaN	
BW1696	250	100	1.05*0.6*0.1	GaN	
BW1687/1688	300	5/10	0.55*0.65*0.1	GaN	

































Part Number	Low Freq. (GHz)	High Freq. (GHz)	Type	Attenuation (dB)	Insertion Loss (dB)	VSWR	Dimension (mm)	Datasheet
BWAES-R8/6R5-6	0.8	6.5	Negative slope	6	1	1.44	0.82*0.75*0.1	
BWAES-R95/2R15-3R9	0.95	2.15	Negative slope	3.9	1	1.33	0.82*1.07*0.1	
BWAES-R95/2R15-4R5	0.95	2.15	Negative slope	4.5	1	1.33	0.82*1.1*0.1	
BWAES-1/2-3	1	2	Negative slope	3	0.8	1.33	0.82*1.3*0.1	
BWAES-1/6-3	1	6	Negative slope	3	0.8	1.33	0.82*0.8*0.1	
BWAES-1/8-3R5	1	8	Negative slope	3.5	0.9	1.33	0.82*0.78*0.1	
BWAES-1R7/2R7-3	1.7	2.7	Negative slope	3	0.8	1.33	0.82*0.89*0.1	
BWAES-1R7/2R7-4	1.7	2.7	Negative slope	4	1	1.33	0.82*0.89*0.1	
BWAES-1R7/2R7-5	1.7	2.7	Negative slope	5	1.1	1.33	0.82*0.82*0.1	
BWAES-2/18-8	2	18	Negative slope	8	1.5	1.44	0.82*0.75*0.1	
BWAES-2/4-3	2	4	Negative slope	3	1.1	1.33	0.82*0.8*0.1	
BWAES-2/4-4	2	4	Negative slope	4	1.1	1.33	0.82*0.8*0.1	
BWAES-6/12-2R8	6	12	Negative slope	2.8	1.5	1.33	0.82*0.80*0.1	
BWAES-6/12-5	6	12	Negative slope	5	1	1.29	0.85*0.70*0.1	
BWAES-6/12-6R8	6	12	Negative slope	6.8	1.1	1.29	0.90*0.70*0.1	
BWAES-6/18-3	6	18	Negative slope	3	0.9	1.23	0.75*0.70*0.1	
BWAES-6/18-4	6	18	Negative slope	4	0.9	1.16	0.75*0.75*0.1	
BWAES-6/18-5	6	18	Negative slope	5	0.9	1.16	0.75*0.75*0.1	
BWAES-6/18-6	6	18	Negative slope	6	1	1.44	1.70*2.30*0.1	
BWAES-6/18-2	6	18	Negative slope	2	1.1	1.3	0.82*1.07*0.1	
BWAES-8/12-2	8	12	Negative slope	2	0.8	1.23	0.80*0.75*0.1	
BWAES-8/12-2R9	8	12	Negative slope	2.9	0.9	1.33	2.00*1.20*0.1	
BWAES-8/12-4	8	12	Negative slope	4	0.8	1.23	0.8*0.7*0.1	
BWAES-8/12-4R6	8	12	Negative slope	4.6	1.2	1.44	2.00*1.20*0.1	
BWAES-8/12-5	8	12	Negative slope	5	1.1	1.23	0.8*0.75*0.1	
BWAES-8/12-5R8	8	12	Negative slope	5.8	1.4	1.33	0.80*0.75*0.1	

CMOS PLL

Part Number	Low Freq. (GHz)	High Freq. (GHz)	Reference Input (MHZ)	Phase Frequency (MHZ)	Noise Floor (dBc/Hz)	Dimension (mm)	Datasheet
BW726	0.1375	4.4	105	32	-217	2.50*2.65*0.18	
BW720	0.8	6.5	350	100	-221	1.40*1.74*0.18	







Part Number	Type	Low Freq. (GHz)	High Freq. (GHz)	IL (dB)	Rejection (dB)	Dimension (mm)	Datasheet
BWLF-R08	Low Pass	DC	0.08	2.3@0.08GHz	≥20@0.43GHz, ≥40@0.65GHz	2.1×1.8×0.1	
BWLF-R12	Low Pass	DC	0.12	2.3@0.12GHz	≥20@0.46GHz, ≥40@0.71GHz	2.1×1.6×0.1	
PDLF-R12	Low Pass	DC	0.12	3@0.12GHz	≥20@0.24GHz, ≥40@0.4GHz	2.0×1.5×0.15	
BWLF-R16	Low Pass	DC	0.16	2.4@0.16GHz	≥20@0.5GHz, ≥40@0.8GHz	2.1×1.6×0.1	
BWLF-R19	Low Pass	DC	0.19	2.3@0.19GHz	≥20@0.53GHz, ≥40@0.8GHz	2.1×1.4×0.1	
BWLF-R22	Low Pass	DC	0.22	2.3@0.22GHz	≥20@0.6GHz, ≥40@0.9GHz	2.1×1.4×0.1	
PDLF-R3	Low Pass	DC	0.3	2.0@0.3GHz	≥25@0.5GHz, ≥35@0.55GHz	2.0×1.2×0.15	
BWLF-R32	Low Pass	DC	0.32	2.3@0.32GHz	≥20@0.7GHz, ≥40@1.1GHz	2.1×1.4×0.1	
PDLF-R35	Low Pass	DC	0.35	2.8@0.35GHz	≥25@0.5GHz, ≥40@0.55GHz	3×2×0.15	
PDLF-R37	Low Pass	DC	0.37	3.0@0.37GHz	≥25@0.5GHz, ≥40@0.55GHz	3×1.8×0.15	
PDLF-R4G	Low Pass	DC	0.4	1.6@0.4GHz	≥30@0.76GHz	2.0×1.2×0.15	
BWLF-R4	Low Pass	DC	0.4	1.8@0.4 GHz	≥20@0.9GHz, ≥40@1.4GHz	2.1×1.05×0.1	
BWLF-R5	Low Pass	DC	0.5	1.9@0.5GHz	≥20@1.3GHz, ≥40@1.65GHz	2.1×1.05×0.1	
BWLF-R5G	Low Pass	DC	0.5	1.7@0.5GHz	≥20@1.2GHz, ≥40@1.65-6GHz	1.6×1×0.1	
PDLF-R5G	Low Pass	DC	0.51	1.6@0.51GHz	≥20@0.78GHz	2.0×1.2×0.15	
BWLF-R63	Low Pass	DC	0.63	1.5@0.63GHz	≥20@1.4GHz, ≥40@2.1GHz	2.1×1.05×0.1	
BWLF-R8	Low Pass	DC	0.8	1.5@0.8GHz	≥20@1.7GHz, ≥40@2.6GHz	2.1×1.05×0.1	
BWLF-1	Low Pass	DC	1	1.8@1.0GHz	≥20@2.15GHz, ≥40@2.8GHz	2.1×1.05×0.1	
BWLF-1G	Low Pass	DC	1	1.6@1.0GHz	≥20@1.72GHz, ≥40@1.95GHz	1.6×0.8×0.1	
PDLF-1R3G	Low Pass	DC	1.3	2.2@1.3GHz	≥25@1.55GHz, ≥40@1.9GHz	2.4×1.2×0.15	
BWLF-1R5	Low Pass	DC	1.5	1.8@1.5GHz	≥20@2.85GHz, ≥40@3.7GHz	2.1×1.05×0.1	
BWLF-1R5G	Low Pass	DC	1.5	1.4@1.5GHz	≥20@2.6GHz, ≥40@2.95GHz	1.6×0.8×0.1	
BWLF-2	Low Pass	DC	2	1.8@2.0GHz	≥20@3.5GHz, ≥40@4.6GHz	2.1×1.05×0.1	
BWLF-2G	Low Pass	DC	2	1.5@2.0GHz	≥20@3.25GHz, ≥40@3.75GHz	1.6×0.8×0.1	
PDLF-2G	Low Pass	DC	2	1.8@2.0GHz	≥20@2.4GHz, ≥35@2.55GHz	2.4×1.5×0.15	
BWLF-2R5	Low Pass	DC	2.5	1.8@2.5GHz	≥20@4.4GHz, ≥40@5.6GHz	2.1×1.05×0.1	
BWLF-2R5G	Low Pass	DC	2.5	1.6@2.5GHz	≥20@3.9GHz, ≥40@4.2GHz	1.6×0.8×0.1	
PDLF-2R8G	Low Pass	DC	2.8	1.8@2.8GHz	≥20@3.25GHz, ≥40@3.5GHz	2.4×1.2×0.15	
BWLF-3	Low Pass	DC	3	1.7@3.0GHz	≥20@5.55GHz, ≥40@7GHz	1.6×0.8×0.1	
BWLF-3G	Low Pass	DC	3	1.5@3.0GHz	≥20@4.75GHz, ≥40@5.15GHz	1.6×0.8×0.1	
BWLF-3R5	Low Pass	DC	3.5	1.7@3.5GHz	≥20@5.95GHz, ≥40@7.5GHz	1.6×0.8×0.1	
BWLF-3R5G	Low Pass	DC	3.5	1.5@3.5GHz	≥20@5.35GHz, ≥40@5.85GHz	1.6×0.8×0.1	

Part Number	Type	Low Freq. (GHz)	High Freq. (GHz)	IL (dB)	Rejection (dB)	Dimension (mm)	Datasheet
BWLF-4	Low Pass	DC	4	1.7@4.0GHz	≥20@6.6GHz, ≥40@8.5GHz	1.6×0.8×0.1	
BWLF-4G	Low Pass	DC	4	1.7@4.0GHz	≥20@5.75GHz, ≥40@6.25GHz	1.6×0.8×0.1	
BWLF-4R5	Low Pass	DC	4.5	1.7@4.5GHz	≥20@7.5GHz, ≥40@9.7GHz	1.6×0.8×0.1	
BWLF-4R8	Low Pass	DC	4.8	2.5@4.8GHz	≥20@5.8GHz, ≥35@6.5-20GHz	1.6×0.8×0.1	
BWLF-5	Low Pass	DC	5	1.7@5.0GHz	≥20@8.15GHz, ≥40@10.5GHz	1.6×0.8×0.1	
BWLF-5G	Low Pass	DC	5	1.6@5.0GHz	≥20@7.25GHz, ≥40@7.95GHz	1.6×0.8×0.1	
BWLF-5R5	Low Pass	DC	5.5	1.7@5.5GHz	≥20@9GHz, ≥40@11.65GHz	1.6×0.8×0.1	
BWLF-6	Low Pass	DC	6	1.8@6.0GHz	≥20@9.5GHz, ≥40@12.2GHz	1.6×0.8×0.1	
BWLF-6G	Low Pass	DC	6	1.6@6.0GHz	≥20@8.45GHz, ≥40@9.35GHz	1.6×0.8×0.1	
BWLF-7	Low Pass	DC	7	1.7@7.0GHz	≥20@10.75GHz, ≥40@13.4GHz	1.6×0.8×0.1	
BWLF-7G	Low Pass	DC	7	1.4@7.0GHz	≥20@10.15GHz, ≥40@11.15GHz	1.6×0.8×0.1	
BWLF-8	Low Pass	DC	8	1.6@8.0GHz	≥20@12.3GHz, ≥40@15.55GHz	1.6×0.8×0.1	
BWLF-8G	Low Pass	DC	8	1.4@8.0GHz	≥20@11.8GHz, ≥40@13.5GHz	1.6×0.8×0.1	
BWLF-9	Low Pass	DC	9	1.7@9.0GHz	≥20@13.6GHz, ≥40@17.1GHz	1.6×0.8×0.1	
BWLF-9G	Low Pass	DC	9	1.7@9.0GHz	≥20@12.75GHz, ≥40@14.3GHz	1.6×0.8×0.1	
PDLF-9R7G	Low Pass	DC	9.7	2.5@9.7GHz	≥20@10.4GHz, ≥35@10.6GHz	2.0×1.2×0.15	
BWLF-10	Low Pass	DC	10	1.6@10GHz	≥20@14.95GHz, ≥40@18.9GHz	1.6×0.8×0.1	
BWLF-10G	Low Pass	DC	10	1.6@10GHz	≥20@14GHz, ≥40@15.85GHz	1.6×0.8×0.1	
BWLF-11	Low Pass	DC	11	1.6@11GHz	≥20@16.5GHz, ≥40@20.8GHz	1.6×0.8×0.1	
BWLF-11G	Low Pass	DC	11	1.6@11GHz	≥20@15.3GHz, ≥40@17.4GHz	1.6×0.8×0.1	
BWLF-12	Low Pass	DC	12	1.7@12GHz	≥20@17.9GHz, ≥40@22.7GHz	1.6×0.8×0.1	
BWLF-12G	Low Pass	DC	12	1.6@12GHz	≥20@16.6GHz, ≥40@18.8GHz	1.6×0.8×0.1	
BWLF-13	Low Pass	DC	13	1.7@13GHz	≥20@19.4GHz, ≥40@24.5GHz	1.6×0.8×0.1	
BWLF-13G	Low Pass	DC	13	1.6@13GHz	≥20@17.95GHz, ≥40@20.55GHz	1.6×0.8×0.1	
PDLF-13R5	Low Pass	DC	13.5	2@13.5GHz	≥25@17.8GHz, ≥40@19.5GHz	1.6×0.8×0.15	
BWLF-14	Low Pass	DC	14	1.6@14GHz	≥20@21.6GHz, ≥40@27.7GHz	1.6×0.8×0.1	
BWLF-14G	Low Pass	DC	14	1.6@14GHz	≥20@19.4GHz, ≥40@22.1GHz	1.6×0.8×0.1	
BWLF-15	Low Pass	DC	15	1.7@15GHz	≥20@22.4GHz, ≥40@28.9GHz	1.6×0.8×0.1	
BWLF-15G	Low Pass	DC	15	1.7@15GHz	≥20@20.45GHz, ≥40@23.35GHz	1.6×0.8×0.1	
BWLF-16	Low Pass	DC	16	1.8@16GHz	≥20@23.6GHz, ≥40@30.6GHz	1.6×0.8×0.1	
BWLF-16G	Low Pass	DC	16	1.7@16GHz	≥20@21.9GHz, ≥40@25.2GHz	1.6×0.8×0.1	
BWLF-17	Low Pass	DC	17	1.8@17GHz	≥20@25GHz, ≥40@32.4GHz	1.6×0.8×0.1	







Part Number	Type	Low Freq. (GHz)	High Freq. (GHz)	IL (dB)	Rejection (dB)	Dimension (mm)	Datasheet
BWLF-17G	Low Pass	DC	17	1.7@17GHz	≥20@23.2GHz, ≥40@26.6GHz	1.6×0.8×0.1	
BWLF-18	Low Pass	DC	18	1.8@18GHz	≥20@26.5GHz, ≥40@33.4GHz	1.6×0.8×0.1	
BWLF-18G	Low Pass	DC	18	1.7@18GHz	≥20@25.2GHz, ≥40@29.2GHz	1.6×0.8×0.1	
BWLF-18GA	Low Pass	DC	18	2.5@18GHz	≥20@21.5GHz, ≥40@23-35GHz	1.6×1.0×0.1	
BWLF-19	Low Pass	DC	19	1.8@19GHz	≥20@27.9GHz, ≥40@35.5GHz	1.6×0.8×0.1	
BWLF-19G	Low Pass	DC	19	1.7@19GHz	≥20@26.3GHz, ≥40@31.2GHz	1.6×0.8×0.1	
BWLF-20	Low Pass	DC	20	2.0@20GHz	≥20@29.5GHz, ≥40@37.8GHz	1.6×0.8×0.1	
BWLF-20G	Low Pass	DC	20	1.8@20GHz	≥20@27.1GHz, ≥40@31.6GHz	1.6×0.8×0.1	
BWLF-22	Low Pass	DC	22	2.0@22GHz	≥20@33.5GHz, ≥40@38GHz	1.6×0.8×0.1	
BWLF-23G	Low Pass	DC	23	2.2@23GHz	≥20@28GHz, ≥40@29.5GHz	1.6×0.8×0.1	
PDHF-R5G	High Pass	0.5	3	2.0@0.5GHz	≥20@0.2GHz, ≥40@0.05GHz	1.6×0.8×0.15	
BWHF-1G	High Pass	1	8	2.1@1.0GHz	≥20@0.55GHz, ≥40@0.43GHz	1.6×0.8×0.1	
BWHF-2G	High Pass	2	18	2.5@2.0GHz	≥20@1.4GHz, ≥40@1.25GHz	1.6×0.8×0.1	
BWHF-3G	High Pass	3	21	1.7@3.0GHz	≥20@1.82GHz, ≥40@1.62GHz	1.6×0.8×0.1	
BWHF-4G	High Pass	4	26	1.7@4.0GHz	≥20@2.6GHz, ≥40@2.35GHz	1.6×0.8×0.1	
BWHF-5G	High Pass	5	28	1.7@5.0GHz	≥20@3.3GHz, ≥40@3GHz	1.6×0.8×0.1	
BWHF-6G	High Pass	6	28	1.7@6.0GHz	≥20@3.9GHz, ≥40@3.55GHz	1.6×0.8×0.1	
BWHF-7G	High Pass	7	29	1.6@7.0GHz	≥20@4.55GHz, ≥40@4.15GHz	1.6×0.8×0.1	
BWHF-8G	High Pass	8	30	1.7@8.0GHz	≥20@5.45GHz, ≥40@4.95GHz	1.6×0.8×0.1	
BWHF-9G	High Pass	9	31	1.7@9.0GHz	≥20@6.15GHz, ≥40@5.6GHz	1.6×0.8×0.1	
PDHF-10G	High Pass	10	18	3.5@10GHz	≥10@9.5GHz	1.6×0.8×0.15	
BWHF-10G	High Pass	10	32	1.9@10.0GHz	≥20@7.4GHz, ≥40@6.8GHz	1.6×0.8×0.1	
BWHF-12G	High Pass	12	35	1.7@12.0GHz	≥20@8.3GHz, ≥40@7.6GHz	1.6×0.8×0.1	
PDHF-13R75	High Pass	13.8	25	2.0@13.8GHz	≥25@9.5GHz, ≥35@6.0GHz	1.6×0.8×0.15	
PDHF-14	High Pass	14	18	1.5@14.0GHz	≥25@9.6GHz	1.6×0.8×0.15	
BWHF-14G	High Pass	14	36	1.7@14.0GHz	≥20@10GHz, ≥40@9.2GHz	1.6×0.8×0.1	
BWHF-16G	High Pass	16	38	1.8@16.0GHz	≥20@11.4GHz, ≥40@10.4GHz	1.6×0.8×0.1	
BWHF-18G	High Pass	18	39	2.2@18.0GHz	≥20@13.7GHz, ≥40@12.9GHz	1.6×0.8×0.1	
BWHF-20G	High Pass	20	40	1.9@20.0GHz	≥20@14.7GHz, ≥40@13.7GHz	1.6×0.8×0.1	
BWHF-23G	High Pass	23	30	2.3@23.0GHz	≥40@100M ~ 16GHz	1.6×0.8×0.1	
PDHF-9R7G	High Pass	23	30	2.3@23GHz	≥40@100M ~ 16GHz	1.6×1.2×0.15	
BWHF-24G	High Pass	24	34	2.3@24.0GHz	≥40dB@100M ~ 16.5GHz	1.6×0.8×0.1	









Part Number	Type	Low Freq. (GHz)	High Freq. (GHz)	IL (dB)	Rejection (dB)	Dimension (mm)	Datasheet
BWHF-28G	High Pass	28	40	2.3@28.0GHz	≥40dB@100M ~ 19.5GHz	1.6×0.8×0.1	
BWHF-33G	High Pass	33	41	2.3@33.0GHz	≥40dB@100M ~ 21GHz	1.6×0.8×0.1	
BWHF-36G	High Pass	36	41	2.3@36GHz	≥40dB@100M ~ 25GHz	1.6×0.8×0.1	
PDBF-R105/R145-4C5	Band Pass	0.11	0.135	5.5@0.123GHz	≥40@40MHz & 200 MHz	3.0×2.1×0.15	
PDBF-R2/R25-4C5	Band Pass	0.2	0.25	7.0@0.225GHz	≥40@120 MHz & 340 MHz	3.0×2.1×0.1	
PDBF-R21/R39-4C3	Band Pass	0.21	0.38	3.0@0.3GHz	≥35@80MHz & 600 MHz	2.5×1.2×0.15	
PDBF-R24/R36-3C2	Band Pass	0.25	0.35	3.0@0.3GHz	≥35@80MHz & 600 MHz	3.0×2.0×0.15	
PDBF-R365/R385-4C5	Band Pass	0.365	0.385	5.5@0.375GHz	≥35@220 MHz & 500MHz	3.0×1.4×0.15	
PDBF-R38/R58-4C2	Band Pass	0.4	0.55	3.5@0.48GHz	≥35@200MHz & 800MHz	2.5×1.5×0.15	
PDBF-R425/R475	Band Pass	0.44	0.47	7.0@0.46GHz	≥30@0.34 GHz, ≥30@0.56 GHz	3.5×1.7×0.15	
PDBF-R42/R72	Band Pass	0.45	0.7	2.5@0.575GHz	≥30@0.3GHz, ≥30@0.9GHz	4.2×2.8×0.15	
PDBF-R45/1R8	Band Pass	0.45	1.8	2.0@1.125GHz	≥30@0.2GHz, ≥30@2.4GHz	4.6×1.75×0.15	
PDBF-R45/R75-6C3	Band Pass	0.5	0.7	2.5@0.6GHz	≥25@0.36GHz, ≥30@0.9GHz	4.2×2.8×0.15	
BWBF-R525/R725	Band Pass	0.55	0.7	4.5@0.63GHz	≥40@0.3&1GHz	2.8×1.5×0.1	
PDBF-R62/R82-6C4	Band Pass	0.65	0.8	4.5@0.725GHz	≥35@1GHz, ≥35@0.5GHz	3.5×2.2×0.15	
PDBF-R8/1R2-6D3	Band Pass	0.8	1.2	3.5@1.0GHz	≥40@0.3& 1.8GHz	3.0×0.9×0.15	
PDBF-R7/2-6C2	Band Pass	0.85	1.7	1.5@1.23GHz	≥30@0.55& 2.3GHz	4.5×1.5×0.15	
PDBF-R95/1R45-7C4	Band Pass	0.95	1.45	5.0@1.2GHz	≥30@0.6& 2.0 GHz	2.8×1.2×0.15	
PDBF-R95/1R45-7C2	Band Pass	0.95	1.45	3.0@1.2GHz	≥30@0.6& 2.0 GHz	2.5×1.2×0.15	
PDBF-1/1R4-4C3	Band Pass	1	1.4	3.6@1.2GHz	≥40@0.6& 2.0 GHz	2.5×1.1×0.15	
PDBF-1R015/1R235-8C5	Band Pass	1.02	1.23	4.5@1.22GHz	≥30@0.7GHz, ≥35@1.5GHz	3.2×1.6×0.15	
PDBF-1R05/1R45-8C3	Band Pass	1.05	1.45	2.5@1.25GHz	≥30@0.75GHz, ≥35@1.7GHz	4.8×1.2×0.15	
PDBF-1R1/1R9-7C3	Band Pass	1.1	1.85	2.5@1.5GHz	≥40@0.5&2.5GHz	2.8×1.2×0.15	
PDBF-1R2/1R6-6D3	Band Pass	1.2	1.6	3.0@1.4GHz	≥40@0.6&2.1GHz	3.0×1.0×0.15	
PDBF-1R275/1R475-6C4	Band Pass	1.27	1.48	4.5@1.38GHz	≥40@0.95&1.95 GHz	3.0×2.0×0.15	
PDBF-1R3/2R3-5C2	Band Pass	1.3	2.3	2.5@1.8GHz	≥40@0.75&3.2GHz	2.8×1.2×0.15	
PDBF1R8/1-16B2	Band Pass	1.3	2.3	3.0@1.8GHz	≥25@1.1&2.5GHz	4.8×2.2×0.15	
BWBF-1R3/2R3	Band Pass	1.35	2.25	2.7@1.8GHz	≥35@0.85GHz, ≥20@2.75GHz	1.2×2.2×0.1	
PDBF-1R4/2R2-8C3	Band Pass	1.45	2.15	3.5@1.8GHz	≥25@1.2&2.4GHz	4.8×2.2×0.15	
PDBF-1R4/2R42-16B2	Band Pass	1.45	2.4	3.0@1.83GHz	≥25@1.1&2.7GHz	4.8×2.2×0.15	
PDBF-1R6/2-4C3	Band Pass	1.6	2	5.0@1.8GHz	≥40@0.7 & 2.0 GHz	1.5×1.5×0.15	
PDBF-1R6/2-6D3	Band Pass	1.6	2	3.5@1.8GHz	≥25@1.1&2.4GHz	3.0×1.0×0.15	




Part Number	Type	Low Freq. (GHz)	High Freq. (GHz)	IL (dB)	Rejection (dB)	Dimension (mm)	Datasheet
PDBF-1R6/2R9-16C3	Band Pass	1.7	2.7	3.5@2.2GHz	≥25@1.3 & 3.2 GHz	4.4×2×0.15	
PDBF-1R65/1R95-5C6	Band Pass	1.7	1.9	5.0@1.8GHz	≥30@1.35GHz, ≥30@2.4GHz	2.4×1.4×0.15	
PDBF2R4/R54-16B2	Band Pass	2.2	2.5	2.5@2.35GHz	≥25@1.9&3.0GHz	4.8 × 2.2 × 0.15	
BWBF-2R92/3R02-5D6	Band Pass	2.92	3.02	5.5@2.97GHz	≥35@0.85GHz, ≥20@2.75GHz	2.3×4×0.1	
BWBF-3R1/3R5	Band Pass	3.1	3.5	2.7@3.3GHz	≥35@2.5&4.2GHz	1.6×2.3×0.1	
PDBF-3/4-5D4	Band Pass	3.2	3.9	2.0@3.5GHz	≥30@2.6 GHz, ≥35@4.7 GHz	2×3×0.15	
BWBF-4/7R5-7C3	Band Pass	4.5	7	2.5@5.75GHz	≥30@2.8GHz&9GHz	1.6×0.8×0.1	
PDBF-4R5/5R1-5D4	Band Pass	4.5	5.1	2.5@4.8GHz	≥40@3.8&5.8GHz	2.7×1.6×0.15	
BWBF-5/13-7C2	Band Pass	5	13	3.0@9GHz	≥40@3.3&16.5GHz	1.5×0.9×0.1	
BWBF-5/5R6	Band Pass	5.05	5.45	6.5@5.25GHz	≥40@4.5&6.2GHz	2.1×1.5×0.1	
PDBF-5R25/5R75-5D3	Band Pass	5.25	5.75	3.0@5.5GHz	≥30@4.8&6.3 GHz	2.3×2.0×0.15	
PDBF-5R25/5R85-5D2	Band Pass	5.25	5.8	2.5@5.53GHz	≥35@4.7&6.35GHz	2.9×2.9×0.15	
PDBF-5R25/5R85-5D3	Band Pass	5.25	5.85	3@5.55GHz	≥32@4.8GHz, ≥32@6.33GHz	2.4×4×0.15	
BWBF-7/9	Band Pass	7	9	2.7@8GHz	≥40@6GHz, ≥30@10.05GHz	1.9×1.75×0.1	
BWBF-8/12-5E2	Band Pass	8	11.7	2.5@9.85GHz	≥40@5.6&16.5GHz	1.6×1.1×0.1	
BWBF-8/12	Band Pass	8	12	1.7@10GHz	≥25@3.9GHz, ≥40@14.8GHz	1.05×1.35×0.1	
BWBF-8R2/10	Band Pass	8.2	10	2.8@9.1GHz	≥40@6.95GHz, ≥30@11.4GHz	1.9×1.5×0.1	
BWBF-9R2/11	Band Pass	9.2	11	3.3@10.1GHz	≥40@7.95&12.7GHz	1.9×1.5×0.1	
BWBF-10/10R5	Band Pass	10	10.5	2.5@10.25GHz	≥40@9.15GHz, ≥30@12.6GHz	3.0×3.0×0.1	
PDBF-10/11-5D3	Band Pass	10.1	11.2	2.2@10.65GHz	≥30@9&12.5GHz	2.25×1×0.15	
BWBF-10R2/12	Band Pass	10.2	12	3.5@11.1GHz	≥40@8.85GHz, ≥30@13.7GHz	1.9×1.25×0.1	
BWBF-11R2/13	Band Pass	11.2	13	3.5@12.1GHz	≥40@9.8GHz, ≥30@14.65GHz	1.9×1.25×0.1	
PDBF-12/13-5D3	Band Pass	12	13	2.5@12.5GHz	≥30@10.8&14.3GHz	2.25×1×0.15	
PDBF-12/16	Band Pass	12	15.8	2.5@13.9GHz	≥40@10GHz, ≥30@18GHz	1.8×1.0×0.15	
BWBF-12/16-7C3	Band Pass	12	16	2.5@14GHz	≥40@8.5GHz&21GHz	1.6×0.8×0.1	
PDBF-13/15-5D3	Band Pass	13	15	3.0@14GHz	≥30@11.5&16.5GHz	3.2×1.6×0.15	
BWBF-13R4/16R4-7C3	Band Pass	13	16.3	3.0@14.65GHz	≥35@10& 19.8GHz	1.6×0.8×0.1	
BWBF-14R31/15R31	Band Pass	14.31	15.31	4.5@14.81GHz	≥40@12.7 & 16.9GHz	1.8×1.5×0.1	
PDBF-15/16-5D3	Band Pass	15	16	2.6@15.5GHz	≥30@13.5&17.5GHz	2.25×1×0.15	
PDBF-15R7/17R7-5D2	Band Pass	15.7	17.7	3.2@16.7GHz	≥35@14.4GHz, ≥23@18.9GHz	3.2×1.6×0.15	
PDBF-16/20	Band Pass	16	20	2.0@18GHz	≥25@13GHz, ≥40@23GHz	2.5×2×0.15	
BWBF-16R5/17R5	Band Pass	16.5	17.5	6.5@17GHz	≥40@15.2 & 18.6GHz	2.1×1.5×0.1	





Part Number	Type	Low Freq. (GHz)	High Freq. (GHz)	IL (dB)	Rejection (dB)	Dimension (mm)	Datasheet
PDBF-16R5/17R5-5D3	Band Pass	16.5	17.5	4.0@17GHz	≥30@15&19.1GHz	2.4×1.2×0.15	
BWBF-17R4/19R4	Band Pass	17.4	19.4	3.0@18.4GHz	≥40@14&21GHz	2.71×1.78×0.1	
BWBF-21R5/26R7	Band Pass	21.5	26.7	2.5@24.1GHz	≥20@19.1&29.4GHz, ≥40@18.3&31.2GHz	2.0×1.2×0.1	
BWBF-24/32	Band Pass	24	31	2.0@27.5GHz	≥40@10&37GHz	1.6×1.4×0.1	
BWBF-26/28R5	Band Pass	26	28.5	2.8@27.25GHz	≥40@23.5GHz, ≥30@30.8GHz	1.6×1.3×0.1	
PDBF33/35-6B2	Band Pass	31	35	2.5@33GHz	≥35@23&40GHz	2.4×1.6×0.15	








Part Number	Low Freq. (GHz)	High Freq. (GHz)	Pass Band Freq.(GHz)	Pass Band IL(dB)	RL (dB)	Rejection (dBc) min.	Dimension (mm)	Swich Type	Datasheet
BWSBF-R1/20-5A	0.1	20	0.1-0.5	≤8.5	12	35@1GHz	4.4×4.2×0.1	FET	
			0.1-0.9	≤12.0	12	35@1.9GHz			
			0.1-1.9	≤12.0	12	30@2.8GHz			
			0.1-4.5	≤11.0	12	30@5.8GHz			
			THRU	10±1@4.5GHz	12	-			
			(0.1-20)	5±1@20GHz	-	-			
BWSBF-R1/20-5B	0.1	20	DC-0.5	≤8.0	12	15@0.9GHz,30@1.5GHz	4.4×4.2×0.1	FET	
			DC-1.0	≤8.0	12	15@1.5GHz,30@2.0GHz			
			DC-2.3	≤8.0	12	15@3.0GHz,30@4.6GHz			
			DC-6.0	≤8.0	12	10@6.9GHz,30@12.0GHz			
			THRU	8±1@6GHz	12	-			
			(DC-20)	5±1@20GHz	-	-			
PDSBF-R2/3-6	0.2	3	0.2-0.3	≤8.0	12	35@0.07&0.45GHz	5.0×6.0×0.15	FET	
			0.3-0.45	≤8.0	12	35@0.12&0.65GHz			
			0.45-0.7	≤9.0	12	35@0.15&1GHz			
			0.7-1.1	≤9.0	12	35@0.3&1.5GHz			
			1.1-1.8	≤9.0	12	35@0.4&2.3GHz			
			1.8-3	≤8.0	12	35@0.65&3.7GHz			
BWSBF3-R38/R86-4C6	0.38	0.86	0.38-0.52	≤6.5	10	30@0.25&0.76GHz	4.5×4.5×0.1	FET	
			0.5-0.67	≤6.5	10	30@0.33&1GHz			
			0.62-0.86	≤6.5	10	30@0.42&1.24GHz			
PDSBF5-R4/2R7-5C4	0.4	2.7	0.4-0.7	≤7.5	10	10@0.3GHz,20@0.9GHz	5.0×4.5×0.15	FET	
			0.5-0.9	≤7.5	10	15@0.3GHz,25@1.2GHz			
			0.7-1.2	≤7.5	10	15@0.5GHz,15@1.5GHz			
			1-1.8	≤7.5	10	10@0.8GHz,20@2.1GHz			
			1.6-2.7	≤7.5	10	10@1.3GHz,20@3.2GHz			
BWSBF-R65/3-5	0.65	3	0.65-0.95	≤7.7	12	30@0.48&1.3GHz	5.3×5.8×0.1	FET	
			0.89-1.4	≤9.0	12	30@0.7&1.78GHz			
			1.34-2	≤7.7	12	30@1&2.68GHz			
			1.94-3	≤7.3	12	30@1.5&3.6GHz			









Part Number	Low Freq. (GHz)	High Freq. (GHz)	Pass Band Freq.(GHz)	Pass Band IL(dB)	RL (dB)	Rejection (dBc) min.	Dimension (mm)	Swich Type	Datasheet
PDSBF7-0R8/18R0-5D6	0.8	18	0.8-1.4	≤8.0dB	10	45@DC-0.4GHz,50@1.9GHz	5.0×4.7×0.15	FET	
			1.25-2.15	≤8.5dB	10	45@DC-0.8GHz,50@2.8GHz			
			1.9-3.1	≤8.0dB	10	40@DC-1.0GHz,45@3.9GHz			
			2.7-4.6	≤8.5dB	10	40@DC-1.6GHz,50@5.6GHz			
			4.2-6.4	≤9.5dB	10	40@DC-2.9GHz,40@7.7GHz			
			6-10	≤9.5dB	10	50@DC-4.5GHz,48@12.1GHz			
			9.9-18	≤10.5dB	10	40@DC-6.7GHz,35@20.5GHz			
BWSBF4-R8/3-7C5	0.8	3	0.8-1.2	≤6.5	10	30@0.55&1.6GHz	4.5×4.5×0.1	FET	
			1.1-1.6	≤6.5	10	30@0.75&2.2GHz			
			1.5-2.2	≤6.5	10	30@1.05&3GHz			
			2-3	≤6.5	10	30@1.45&4GHz			
BWSBF-R8/2R2-3	0.8	2.2	0.8-1.2	≤6.0	12	20@0.62&1.55GHz	4.2×3.5×0.1	FET	
			1.1-1.6	≤5.5	12	20@0.85&2.05GHz			
			1.5-2.2	≤5.5	12	20@1.15&2.65GHz			
BWSBF-R8/18-7A	0.8	18	0.8-3	≤8	12	27@4GHz	4.6×4.2×0.15	FET	
			2-3.5	≤8.5	12	20@1.65&4.18GHz,30@1.5&4.9GHz			
			2.5-4.3	≤8.5	12	20@2.05&5.14GHz,30@1.9&5.8GHz			
			3.3-5.5	≤8.5	12	20@2.75&6.67GHz,30@2.6&6.9GHz			
			4.5-7.5	≤9	12	20@3.8&9.2GHz,30@3.6GHz			
			6.5-11	≤8.5	12	20@5.5&12.9GHz,30@5.3&13GHz			
			10-18	≤9	12	20@8.3&21.3GHz,30@7.5&21.5GHz			
BWSBF5-R8/18-7C8	0.8	18	0.8-5	≤7.0	10	40@6.5-10GHz&0.05-0.30GHz	4.5×4.5×0.1	FET	
			5-9	≤10.5	10	40@11-15GHz&2-3.5GHz			
			8-12	≤10.5	10	40@14-18GHz&2-6GHz			
			11-15	≤10.5	10	40@5-9GHz&19-22GHz			
			14-18	≤10.5	10	40@8-11.8GHz&22-25GHz			
BWSBF-1R5/8R4-5	1.5	8.4	1.5-2.5	≤11.0	12	20@1.05&3.0GHz,30@0.9&3.1GHz	5.5×4.5×0.1	FET	
			2.3-3.5	≤11.0	12	20@1.45&4.45GHz,30@1.2&4.7GHz			
			3.0-5.0	≤11.0	12	20@2.25&5.85GHz,30@2.1&6.3GHz			
			4.5-6.5	≤10.5	12	20@3&8.7GHz,40@2.4&9.6GHz			
			6-8.4	≤11.0	12	20@4.2&10.3GHz,40@3.9&10.8GHz			










Part Number	Low Freq. (GHz)	High Freq. (GHz)	Pass Band Freq.(GHz)	Pass Band IL(dB)	RL (dB)	Rejection (dBc) min.	Dimension (mm)	Swich Type	Datasheet
BWSBF-2/6-4	1.5	7	1.5-3.8	≤6.0	12	20@1&4.6GHz,40@0.78&5.4GHz	4.35×3.4×0.1	PIN	
			2.9-4.6	≤6.2	12	20@2.1&5.35GHz,40@1.83&5.75GHz			
			3.8-5.5	≤6.2	12	20@2.95&6.4GHz,40@2.44&6.87GHz			
			4.6-7	≤6.2	12	20@3.89&7.9GHz,40@3.7&8.32GHz			
BWSBF-2/8-4	1.6	8.2	1.6-3.2	≤5.4	12	20@1&3.8GHz,40@0.82&4.1GHz	4.35×3.4×0.1	PIN	
			2.6-4.9	≤5.6	12	20@1.64&5.91GHz,40@1.38&6.7GHz			
			4.0-6.7	≤5.0	12	20@3.0&7.8GHz,40@2.78&8.35G			
			6.0-8.2	≤4.8	12	20@4.85&9.65GHz,40@4.5&10.25GHz			
PDSBF6-1R7/12R3	1.7	12.3	1.7-2.65	≤8	12	20@0.98&3.36GHz	5.5×5×0.15	FET	
			2.05-3.55	≤8	12	20@0.92&4.67GHz			
			2.95-4.85	≤8	12	20@1.52&6.28GHz			
			4.25-6.55	≤8	12	20@2.52&8.3GHz			
			5.95-8.95	≤8	12	20@3.7&11.2GHz			
			8.35-12.3	≤8	12	20@6.35&14.5GHz			
BWSBF3-1R9/6R8-9C8	1.9	6.8	1.9-3.4	≤7.5	10	40@0.9&4.5GHz	4.5×4.5×0.1	FET	
			2.6-4.7	≤7.5	10	40@1.5&6GHz			
			3.9-6.8	≤7.5	10	40@2.9&8GHz			
PDSBF4-2/3-5C8	2	3	2.00-2.25	≤8.5	12	20@1.75GHz,25@2.75GHz	4.0×4.5×0.15	FET	
			2.25-2.50	≤8.5	12	20@2.00GHz,25@3.00GHz			
			2.50-2.75	≤8.5	12	20@2.25GHz,25@3.25GHz			
			2.75-3.00	≤8.5	12	20@2.50GHz,25@3.50GHz			
BWSBF-2/6R5-4	2	6.5	2.0-3.0	≤6.5	12	20@1.6&3.55GHz,40@1.4&3.7GHz	4.0×3.5×0.1	FET	
			2.8-3.9	≤6.0	12	20@2.3&4.7GHz,40@2&5GHz			
			3.6-5	≤6.0	12	20@2.95&6.05GHz,40@2.5&6.7GHz			
			4.6-6.5	≤6.0	12	20@3.75&7.6GHz,40@3&7.9GHz			
BWSBF-2/6R8-4	2	6.8	2-3	≤6.0	12	20@1.55&3.6GHz,40@1.3&3.8GHz	4.0×3.5×0.1	FET	
			2.8-3.8	≤6.0	12	20@2.25&4.65GHz,40@1.9&4.95GHz			
			3.8-5.2	≤6.0	12	20@2.9&6.3GHz,40@2.5&7GHz			
			5.0-6.8	≤6.0	12	20@4&8GHz,40@3.2&8.4GHz			
BWSBF-2/18-5	2	18	2-3.5	≤8.5	15	30@1.2&4.5GHz	4.7×4.5×0.1	FET	
			3-5	≤8.5	15	30@2.1&@6.3GHz			
			4.5-7.5	≤8.5	15	30@3.4&8.9GHz			
			7-11.5	≤9	15	30@5.5&13.8GHz			
			11-18	≤8.5	15	30@8.8&21.5GHz			









Part Number	Low Freq. (GHz)	High Freq. (GHz)	Pass Band Freq.(GHz)	Pass Band IL(dB)	RL (dB)	Rejection (dBc) min.	Dimension (mm)	Switch Type	Datasheet
BWSBF5-2/6-9C9	2.2	6	2.2-2.8	≤9.5	12	40@0.5-1.5GHz&3.5-7GHz	5.0×4.5×0.1	FET	
			3.2-3.8	≤9.5	12	40@0.5-2.4GHz&4.7-7GHz			
			4.2-4.8	≤9.5	12	40@0.5-3.3GHz&5.8-7GHz			
			5.2-5.8	≤9.5	12	40@0.5-4.2GHz&6.8-7GHz			
			2-6	≤2.5	12	-			
PDSBF4-2R7/3R5-5D7	2.7	3.5	2.75-3	≤8	10	35dBc@2.4GHz,30dBc@3.3GHz	5×5×0.15	FET	
			2.95-3.25	≤8	10	35dBc@2.65GHz,28dBc@3.55GHz			
			3.25-3.5	≤8	10	35dBc@2.9GHz,25dBc@3.8GHz			
PDSBF3-3/5	2.85	5.15	2.85-3.15	≤6.0	12	35@2.4&3.6GHz	5.5×5.0×0.15	FET	
			3.85-4.15	≤6.0	12	30@3.4&4.6GHz			
			4.85-5.15	≤6.0	12	30@4.4&5.6GHz			
PDSBF4-3/4-4C8	3	4	3-3.25	≤9	12	15@2.75GHz,25@3.75GHz	4.0×4.5×0.15	FET	
			3.25-3.5	≤9	12	15@3GHz,25@4GHz			
			3.5-3.75	≤9	12	15@3.25GHz,25@4.25GHz			
			3.75-4	≤9	12	13@3.5GHz,25@4.5GHz			
BWSBF-3/10-4	3	10	3-4.8	≤6.5	12	20@1.9&6.5GHz,40@1.2&8.5GHz	3.6×3.3×0.1	FET	
			4.3-6.5	≤7.0	12	20@2.7&7.8GHz,40@1.7&8.8GHz			
			6.0-8.0	≤7.5	12	20@4.85&10GHz,40@4.4&13.2GHz			
			7.5-10	≤7.0	12	20@5.8&13GHz,40@5.2&17.5GHz			
PDSBF-3/20-4	3	20	3-5	≤10.0	12	20@1.8&5.9GHz,30@1.3&6.1GHz	4.0×3.0×0.15	FET	
			5-8	≤9.0	12	20@3&9.5GHz,30@2.5&9.8GHz			
			8-13	≤10.0	12	20@6.6&15.2GHz,30@6.3&15.5GHz			
			13-20	≤10.0	12	20@9.4&24.4GHz,30@8.4&24.9GHz			
BWSBF4-3/9R8-6C6	3	9.8	3-4	≤7	12	30@6-9GHz,35@11-16GHz	4.5×4.5×0.1	FET	
			4-5.6	≤7	12	30@8-10GHz,35@11-18GHz			
			5.6-8.0	≤7	12	30@11-12GHz,35@13-20GHz			
			7.8-9.8	≤7	12	18@11-13GHz,35@14-22GHz			
PDSBF4-3R27/4R07-5D6	3.27	4.07	3.27-3.57	≤8	12	32@2.87&3.97GHz	5×4.5×0.15	FET	
			3.52-3.82	≤8	12	32@3.12&4.22GHz			
			3.77-4.07	≤8	12	32@3.37&4.47GHz			
BWSBF4-4R5/13R5-5C7	4.5	13.5	4.5-7.5	≤9.0	12	40@3.5&9.5GHz	4.5×4.0×0.1	PIN	
			6.5-9.5	≤9.0	12	40@5&12GHz			
			8.5-11.5	≤9.0	12	40@6.5&14.5GHz			
			10.5-13.5	≤9.0	12	40@8&17GHz			









Part Number	Low Freq. (GHz)	High Freq. (GHz)	Pass Band Freq.(GHz)	Pass Band IL(dB)	RL (dB)	Rejection (dBc) min.	Dimension (mm)	Swich Type	Datasheet
PDSBF4-5/13-5D6	5	13	5-7	≤8.0	12	40@3.4&8.6GHz	5×4.5×0.15	FET	
			7-9	≤8.0	12	40@5.4&10.6GHz			
			9-11	≤8.0	12	35@7.4&12.6GHz			
			11-13	≤8.0	12	35@9.4&14.6GHz			
BWSBF4-5/18-7C	5	18	5-9	≤11.5	12	40@11-15&2-3.5GHz	4.2×3.2×0.1	FET	
			8-12	≤10	12	40@14-18&2-6GHz			
			11-15	≤10	12	40@5-9&19-22GHz			
			14-18	≤10	12	40@8-11&22-25GHz			
PDSBF4-5R05/7R35-5D8	5	7.35	5.0-5.5	≤10.5	12	30@4.4&6.1GHz	4.5×4.5×0.15	FET	
			5.45-6.05	≤10.5	12	30@4.8&6.6GHz			
			6.0-6.65	≤10.5	12	30@5.2&7.4GHz			
			6.6-7.35	≤10.5	12	30@5.7&8.1GHz			
BWSBF-6/12-5	6	12	6-8	≤12.5	12	30@3.5&11.5GHz	4×3.6×0.1	FET	
			8-9	≤12.5	12	30@6&11.4GHz			
			9-10	≤12.5	12	30@7&12GHz			
			10-11	≤12.5	12	30@8.2&12.8GHz			
			11-12	≤12.5	12	30@9.4&14.6GHz			
BWSBF-6/18-4	6	18	6-8	≤6.0	12	20@4.7&10GHz,40@3.8&10.8GHz	3.8×3.2×0.1	FET	
			7.5-10	≤7.0	12	20@6&12.1GHz,40@5.7&12.8GHz			
			9.5-13	≤7.5	12	20@7.7&15.2GHz,30@7.4&15.5GHz			
			12.5-18	≤8.5	12	20@10.2&20.3GHz,40@9.5&21GHz			
BWSBF4-6/18-9C8	6	18	6-10	≤9.5	10	40@DC-4.6GHz&12-20GHz	4.5×4.5×0.1	FET	
			8-14	≤9.5	10	40@DC-6.4GHz&16.5-24GHz			
			12-18	≤9.5	10	40@DC-9.6GHz&22-24GHz			
			6-18(HPF)	≤9.5	10	40dBc@DC-4.6GHz			
PDSBF4-6R5/9R5	6.5	9.5	6.5-8	≤8.5	12	15@5.7&8.8GHz	4×3.8×0.15	FET	
			7-8.5	≤8.5	12	15@6.2&9.3GHz			
			7.5-9	≤8.5	12	15@6.7G&9.8GHz			
			8-9.5	≤8.5	12	15@7.2&10.3GHz			
PDSBF4-6R85/10R15-5D7	6.85	10.15	6.85-7.9	≤7.5	10	40@5.8&9.3GHz	5.5×4.5×0.15	FET	
			7.6-8.65	≤7.5	10	40@6.5&10GHz			
			8.35-9.4	≤7.5	10	40@7.2&10.6GHz			
			9.1-10.15	≤7.5	10	40@8&11.4GHz			

Part Number	Low Freq. (GHz)	High Freq. (GHz)	Pass Band Freq.(GHz)	Pass Band IL(dB)	RL (dB)	Rejection (dBc) min.	Dimension (mm)	Switch Type	Datasheet
PDSBF4-6R95/13R05-5D8	6.95	13.05	6.95-7.55	≤9	10	40@5.7&8.7GHz	5.5×4.5×0.15	FET	
			7.45-8.05	≤9	10	40@6.2&9.5GHz			
			11.95-12.55	≤9	10	40@10.5&14.0GHz			
			12.45-13.05	≤9	10	40@11.0&14.5GHz			
PDSBF4-7R3/10R55-7D9	7.3	10.55	7.3-8.15	≤9	12	40@6.45&9.40GHz	4.5×4.5×0.15	FET	
			8.1-8.95	≤9	12	40@7.2GHz,30@9.8GHz			
			8.9-9.75	≤9	12	40@8.0GHz,40@11GHz			
			9.7-10.55	≤9	12	40@8.5GHz,30@11.6GHz			
PDSBF4-7R7/9R3-5D8	7.7	9.3	7.7-8.55	≤8.0	12	25@7.02GHz,15@9.23GHz	4.5×4.5×0.15	FET	
			7.95-8.8	≤8.0	12	25@7.275GHz,15@9.475GHz			
			8.2-9.05	≤8.0	12	25@7.525GHz,15@9.725GHz			
			8.45-9.3	≤8.0	12	25@7.775GHz,15@9.975GHz			
BWSBF-7R8/10R9-3	7.8	10.9	7.8-9.1	≤4.6	11	20@6.9&10.16GHz,40@6.6&11.2GHz	4.0×4.3×0.1	PIN	
			8.2-9.8	≤4.4	11	20@7.27&10.2GHz,40@6.9&12.13GHz			
			8.8-10.9	≤4.2	11	20@7.8&12.4GHz,40@7.35&12.9GHz			
BWSBF-7R8/18-3	7.8	18.1	7.8-9.6	≤4.2	11	20@6.9&10.8GHz,40@6.55&11.7GHz	3.8×3.8×0.1	PIN	
			10.2-12.7	≤4.2	11	20@9.2&14.2GHz,40@8.7&15.05GHz			
			15.8-18.1	≤4.3	11	20@14.2&20.1GHz,40@12.9&21.1GHz			
PDSBF4-8/10-5D9	7.85	10.15	7.85-8.65	≤7.5	12	15@9.25GHz,40@6.4GHz	4.5×4.5×0.15	FET	
			8.35-9.15	≤7.5	12	15@9.75GHz,40@6.9GHz			
			8.85-9.65	≤7.5	12	15@8.25&10.25GHz,40@7.4GHz			
			9.35-10.15	≤7.5	12	15@8.75&10.75GHz,40@7.9GHz			
PDSBF4-7R9/12R1-4D9	7.9	12.1	7.9-9.1	≤8.0	10	40@6.5&10.600GHz	5.5×4.5×0.15	FET	
			8.9-10.1	≤8.0	10	40@7.5&11.800GHz			
			9.9-11.1	≤8.0	10	40@8.5&12.600GHz			
			10.9-12.1	≤8.0	10	40@9.5&13.600GHz			
PDSBF4-7R98/9R22-4D9	7.98	9.22	7.98-8.32	≤8.5	12	20@7.47&8.83GHz	5.5×4.5×0.15	FET	
			8.28-8.62	≤8.5	12	20@7.77&9.13GHz			
			8.58-8.92	≤8.5	12	20@8.07&9.43GHz			
			8.88-9.22	≤8.5	12	20@8.37&9.73GHz			
PDSBF-8/12-2	8	12	8-10	≤5.5	12	20@7.15&10.9GHz,30@7&11.05GHz	2.8×2.8×0.15	FET	
			10-12	≤6.0	12	20@8.55&12.9GHz,30@8.4&13.1GHz			




Part Number	Low Freq. (GHz)	High Freq. (GHz)	Pass Band Freq. (GHz)	Pass Band L_L (dB)	RL (dB)	Rejection (dBc) min.	Dimension (mm)	Switch Type	Datasheet
BWSBF-8/12-4	8	12	8-9.6	≤ 9.0	10	30@6.8&10.8GHz	3.6×4.9×0.1	FET	
			8.8-10.4	≤ 9.0	10	30@7&11.6GHz			
			9.6-11.2	≤ 9.0	10	30@8.4&12.4GHz			
			10.4-12	≤ 10.0	10	30@9.2&13.2GHz			
PDSBF4-8/12-5D6	8	12	8-9	≤ 7	12	40@6.6&10.8GHz	5.0×4.5×0.15	FET	
			9-10	≤ 7	12	40@7.5&12GHz			
			10-11	≤ 7	12	40@8.4&12.6GHz			
			11-12	≤ 7	12	40@9.3&13.8GHz			
PDSBF4-8/12-5D7	8	12	8-9	≤ 7	10	40@6.6&10.8GHz	4.5×4.5×0.15	FET	
			9-10	≤ 7	10	40@7.5&12GHz			
			10-11	≤ 7	10	40@8.4&12.8GHz			
			11-12	≤ 7	10	40@9.0&13.8GHz			
BWSBF-8/12-4A	8	12	8-9.6	≤ 8.7	10	30@6.8G&10.9GHz	3.6×4.9×0.1	FET	
			8.8-10.4	≤ 9	10	30@6.9G&11.7GHz			
			9.6-11.2	≤ 8.8	10	30@8.4G&12.7GHz			
			10.4-12	≤ 9.3	10	30@9.1G&13.3GHz			
BWSBF-8/13R5-3	8	13.5	8-10	≤ 5.0	12	20@7&11.1GHz,40@6.7&11.6GHz	4.0×4.0×0.1	PIN	
			10-12	≤ 4.5	12	20@8.7&13.7GHz,40@8.2&14.6GHz			
			12-13.5	≤ 5.5	12	20@10.6&14.4GHz,40@10&14.7GHz			
BWSBF-8R2/15R3-3	8.2	15.3	8.2-10.2	≤ 4.2	11	20@7.34&11.4GHz,40@6.95&12.1GHz	3.8×3.8×0.1	PIN	
			10.8-13.8	≤ 4.2	11	20@9.8&15.44GHz,40@9.2&16.33GHz			
			13.2-15.3	≤ 4.6	11	20@12&17GHz,40@11.4&17.92GHz			
PDSBF4-8R7/10R3-5D8	8.7	10.3	8.7-9.55	≤ 8.5	12	25@8.025GHz,15@10.225GHz	4.5×4.5×0.15	FET	
			8.95-9.8	≤ 8.5	12	25@8.275GHz,15@10.475GHz			
			9.2-10.05	≤ 8.5	12	25@8.525GHz,15@10.725GHz			
			9.45-10.3	≤ 8.5	12	25@8.775GHz,15@10.975GHz			
BWSBF-9/16R4-3	9	16.4	9-11.2	≤ 4.2	11	20@8.1&12.62GHz,40@7.7&13.43GHz	3.8×3.8×0.1	PIN	
			12.3-14.5	≤ 4.5	11	20@11.2&16.2GHz,40@10.55&17.1GHz			
			14.2-16.4	≤ 4.6	11	20@12.9&18.25GHz,40@12.32&19.2GHz			
PDSBF4-9R18/10R62-4D9	9.18	10.62	9.18-9.57	≤ 8.5	12	18@8.69&10.06GHz	5.5×4.5×0.15	FET	
			9.53-9.92	≤ 8.5	12	18@9.04&10.41GHz			
			9.88-10.27	≤ 8.5	12	18@9.39&10.76GHz			
			10.23-10.62	≤ 8.5	12	18@9.74&11.11GHz			

Part Number	Low Freq. (GHz)	High Freq. (GHz)	Pass Band Freq. (GHz)	Pass Band L (dB)	RL (dB)	Rejection (dBc) min.	Dimension (mm)	Switch Type	Datasheet
BWSBF-9R5/18-4	9.5	18	9.5-12	≤7.0	12	20@6.6&14.9GHz,40@5&18.5GHz	3.6×3.3×0.1	FET	
			11.5-14	≤7.5	12	20@8.8&16.9GHz,40@8.1&19.9GHz			
			13.5-16	≤7.5	12	20@10&19.5GHz,40@9&21.5GHz			
			15.5-18	≤7.5	12	20@11.6&22GHz,40@10.4&24.2GHz			
PDSBF4-9R7/11R3-5D8	9.7	11.3	9.7-10.55	≤8.5	12	25@9.025GHz,15@11.225GHz	4.5×4.5×0.15	FET	
			9.95-10.8	≤8.5	12	25@9.275GHz,15@11.475GHz			
			10.2-11.05	≤8.5	12	25@9.525GHz,15@11.725GHz			
			10.45-11.3	≤8.5	12	25@9.775GHz,15@11.975GHz			
PDSBF4-9R85/13R15-5D7	9.85	13.15	9.85-10.9	≤9	10	40@8.6&12.5GHz	5.5×4.5×0.15	FET	
			10.6-11.65	≤9	10	40@9.3&13.3GHz			
			11.35-12.4	≤9	10	40@10&14GHz			
			12.1-13.15	≤9	10	40@10.8&14.5GHz			
PDSBF4-10/12-5D9	9.85	12.15	9.85-10.65	≤8.5	12	15@9.25&11.25GHz,40@8.4GHz	4.5×4.5×0.15	FET	
			10.35-11.15	≤8.5	12	15@9.75&11.75GHz,40@8.9GHz			
			10.85-11.65	≤8.5	12	15@10.25GHz,40@9.4GHz			
			11.35-12.15	≤8.5	12	15@10.75GHz,40@9.9GHz			
BWSBF-9R9/14R2-3	9.9	14.2	9.9-12	≤4.8	11	20@9&13.6GHz,40@8.6&14GHz	4.0×3.9×0.1	PIN	
			11-13.1	≤4.4	11	20@9.9&14.6GHz,40@9.46&15.75GHz			
			12.1-14.2	≤4.9	11	20@11&15.8GHz,40@10.36&17.21GHz			
PDSBF4-10/14-5D7	10	14	10-11	≤10	12	30@8GHz,35@13GHz	4.5×4.5×0.15	FET	
			11-12	≤10	12	30@9GHz,35@14GHz			
			12-13	≤10	12	30@10&15GHz			
			13-14	≤10	12	30@11&16GHz			
BWSBF4-10/18-5D7	10	18	10-12	≤10	12	10@13.3-14.5GHz,35@18.5-21GHz	4.5×4.5×0.15	FET	
			12-13.4	≤10	12	8@14.3-16GHz,35@20.5-22GHz			
			13.4-16.2	≤10	12	13@17.7-18.5GHz,18@11-12GHz			
			16-18	≤10	12	8@19-20GHz,35@5-12GHz			
BWSBF3-10/20-5C8	10	20	10-12.5	≤8.5	10	40@7&16GHz	4.5×3.0×0.1	FET	
			12.5-15.5	≤8.5	10	40@9&19.5GHz			
			15.5-20	≤8.5	10	40@11.8&25.5GHz			
BWSBF-10/18-3	10	18	10-13	≤6.5	12	20@7.7&15.7GHz,40@7.3&18GHz	3.8×3.0×0.1	FET	
			13-15	≤7.0	12	20@10.3&17.8GHz,40@9.6&18.7GHz			
			15-18	≤8.0	12	20@12.7&21GHz,40@12.15&21.9GHz			

Part Number	Low Freq. (GHz)	High Freq. (GHz)	Pass Band Freq. (GHz)	Pass Band IL (dB)	RL (dB)	Rejection (dBc) min.	Dimension (mm)	Swich Type	Datasheet
PDSBF4-10R58/12R02- 4D9	10.58	12.02	10.58-10.97	≤9	12	15@10.09&11.46GHz	5.5×4.5×0.15	FET	
			10.93-11.32	≤9	12	15@10.44&11.81GHz			
			11.28-11.67	≤9	12	15@10.79&12.16GHz			
			11.65-12.02	≤9	12	15@11.15&12.52GHz			
PDSBF4-10R7/12R3-5D8	10.7	12.3	10.7-11.55	≤8.5	12	25@10.025GHz,15@12.225GHz	4.5×4.5×0.15	FET	
			10.95-11.8	≤8.5	12	25@10.275GHz,15@12.475GHz			
			11.2-12.05	≤8.5	12	25@10.525GHz,15@12.725GHz			
			11.45-12.3	≤8.5	12	25@10.775GHz,15@12.975GHz			
PDSBF4-11/14-5D9	11	14	11	≤9	12	40@9.5&12.5GHz	4.5×4.2×0.15	FET	
			12	≤9	12	40@10.5&13.5GHz			
			13	≤9	12	35@11.5&14.5GHz			
			14	≤9	12	35@12.5&15.5GHz			
BWSBF-11/17-4	11	17	11	≤13	12	35@7-10&12GHz	4.6×4.8×0.15	FET	
			13	≤13	12	35@7-12&14GHz			
			15	≤13	12	35@7-14&16GHz			
			17	≤13	12	35@7-16&18GHz			
PDSBF4-12/16-5D7	12	16	12-13	≤7.5	12	30@10GHz,30@15GHz	4.5×4.5×0.15	FET	
			13-14	≤7.5	12	30@11GHz,30@16GHz			
			14-15	≤7.5	12	30@12GHz,30@17GHz			
			15-16	≤7.5	12	30@13GHz,30@18GHz			
BWSBF-12/18-4	12	18	12	≤13	12	35@7-11&13GHz	4.6×4.8×0.15	FET	
			14	≤13	12	35@7-13&15GHz			
			16	≤13	12	35@7-15&17GHz			
			18	≤13	12	35@7-17&19GHz			
BWSBF-12/18-5	12	18	12-13	≤12	12	30@10.4GHz&15.1GHz	4×3.7×0.1	FET	
			13-14	≤12	12	30@11.1GHz&16.4GHz			
			14-15	≤12	12	30@12.2GHz&16.8GHz			
			15-16	≤12	12	30@13.2GHz&18.5GHz			
			16-18	≤12	12	30@12.8GHz&22.4GHz			
PDSBF2-12R2/14R6	12.2	14.6	12.2-13.4	≤7.5	12	35@10.8GHz,15@14GHz	4.5×4.0×0.15	FET	
			13.4-14.6	≤7.5	12	35@12GHz,15@15.2GHz			






Part Number	Low Freq. (GHz)	High Freq. (GHz)	Pass Band Freq. (GHz)	Pass Band L (dB)	RL (dB)	Rejection (dBc) min.	Dimension (mm)	Switch Type	Datasheet
BWSBF-13R2/18R5-4	13.2	18.5	13.2-15.3	≤5.0	11	20@11.9&17.1GHz,40@11.35&17.7GHz	4.0×4.5×0.1	PIN	
			14.3-16.4	≤5.3	11	20@13&18.5GHz,40@12.4&19.5GHz			
			15.4-17.5	≤4.4	11	20@13.75&19.85GHz,40@13.05&20.9GHz			
			16.5-18.5	≤5.1	11	20@14.5&20.4GHz,40@13.2&20.3GHz			
BWSBF-13R5/18-3	13.5	18	13.5-15	≤5.5	12	20@12&16.2GHz,40@11.4&17GHz	4.0×4.0×0.1	PIN	
			15-16	≤6.0	12	20@13.3&17.1GHz,40@12.8&17.9GHz			
			16-18	≤6.0	12	20@14.1&19.4GHz,40@13.4&20.4GHz			
PDSBF2-14R8/17R3-5D7	14.8	17.3	14.8-16	≤7.5	12	35@13.3GHz,20@17.3GHz	4.5×4.0×0.15	FET	
			16-17.3	≤7.5	12	35@14.6GHz,25@18.6GHz			
BWSBF-15/20-3	15	20	15-16	≤11	12	30@7-13GHz,25@17-30GHz	4.6×4.1×0.15	FET	
			17-18	≤11	12	30@7-15GHz,25@19-30GHz			
			19-20	≤11	12	30@7-17GHz,25@21-30GHz			
PDSBF2-16/18-5D6	16	18	16-17	≤8	10	30@14&19GHz	4.0×2.5×0.15	FET	
			17-18	≤8	10	30@15&20GHz			
PDSBF4-16/20-5D7	16	20	16-17	≤7.5	12	30@14GHz,30@19GHz	4.5×4.5×0.15	FET	
			17-18	≤7.5	12	30@15GHz,30@20GHz			
			18-19	≤7.5	12	30@16GHz,30@21GHz			
			19-20	≤7.5	12	30@17GHz,30@22GHz			
BWSBF-16/21-3	16	21	16-17	≤11	12	30@7-14GHz,25@18-30GHz	4.6×4.1×0.15	FET	
			18-19	≤11	12	30@7-14GHz,25@18-30GHz			
			20-21	≤11	12	30@7-14GHz,25@18-30GHz			
BWSBF-17R5/31R1-3	17.5	31.1	17.5-22.5	≤4.3	11	20@15.5&24.8GHz,40@14.6&26.1GHz	4.0×3.9×0.1	PIN	
			21.5-26.7	≤4.2	11	20@19.1&29.4GHz,40@18.34&31.4GHz			
			25.7-31.1	≤4.3	11	20@22.4&34GHz,40@21.3&35.5GHz			
BWSBF2-17R8/29-5D6	17.8	29	17.8~23	≤8	10	40dBc@11.5GHz,30dBc@26.7GHz	3.0×2.5×0.1	FET	
			23~29	≤8	10	40dBc@14.5GHz,30dBc@34.5GHz			
BWSBF-18/40-3	18	40	18-24	≤5.2	10	30@16&28.1GHz	3.4×3.5×0.1	PIN	
			23-30.5	≤5.2	10	30@20.8&36.5GHz			
			29.5-40	≤5.2	10	30@20.8&46GHz			
BWSBF-18/40-3A	18	40	18-24	≤5.2	10	30@16&28.1GHz	3.35×3.41×0.1	FET	
			23-30.5	≤5.2	10	30@20.8&36.5GHz			
			29.5-40	≤5.2	10	30@20.8&46GHz			

MMIC Filter Bank

Part Number	Low Freq. (GHz)	High Freq. (GHz)	Pass Band Freq. (GHz)	Pass Band ΔL (dB)	RL (dB)	Rejection (dBc) min.	Dimension (mm)	Switch Type	Datasheet
BWSBF-20/40-3	19.5	40.5	19.5-20.5	≤ 10.0	10	20@17&22.8GHz,30@16.5&23.4GHz	4.4×4.7×0.1	FET	
			27.5-28.5	≤ 9.8	10	20@25&30.7GHz,30@24.4&31.7GHz			
			39.5-40.5	≤ 9.0	10	20@36.2&43.4GHz,30@35.7GHz			
BWSBF-24/40-4	24	40	24-28	≤ 9.3	10	20@21.57&30.2GHz,30@21&30.6GHz	4.4×5.4×0.1	FET	
			28-32	≤ 9.5	10	20@25.2&34.2GHz,30@24.4&34.6GHz			
			32-36	≤ 12.0	10	20@30&38.4GHz,30@29&39GHz			
			36-40	≤ 10.5	10	20@33&42.5GHz,30@32.5&43.1GHz			
BWSBF-30R1/40-2	30.1	35.7	30.1-35.7	≤ 3.9	10	20@27.1&38.4GHz,40@26.5&40.2GHz	3.8×2.6×0.1	PIN	
			34.7-40	≤ 4.4	10	20@31.3GHz,40@30.6GHz			



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