TERMINATION

Selection Guide

南京舜特科通信技术有限公司

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INTRODUCTION

The terminations absorb RF & microwave energy and are commonly used as dummy loads for antennas and transmitters. They are also used as matching ports in many multi-port microwave devices such as circulators and directional couplers to terminate the ports that are not involved in the measurement, in order to ensure accurate measurement.

The Coaxial fixed termination feature wide frequency range, DC-67GHz, 1W to 10KW, low VSWR, High reliability, repeatable performance, excellent capacity in anti-pulse and anti-burnout.

The Inset terminations are used in quantitatively absorbing energy of RF and microwave systems, they are commonly used as dummy loads for antennas and transmitters. The wide-band Inset termination's average power is from 5W-300W, frequency range from DC-26.5GHz and the features include wide frequency band, low VSWR, excellent capacity in anti-pulse and anti-burnout etc.

The High power coaxial waterproof terminations are used in quantitatively absorbing energy of RF and microwave system, they are commonly used as dummy loads of antennas and transmitters. The waterproof terminations' average power is from 2W to 100W, frequency range from DC-4GHz and the features include wide frequency band, low VSWR, excellent capacity in anti-pulse and anti-burnout etc.

The Low PIM terminations are typically used in intermodulation test terminals for intermodulation testing and designed in a way that their own passive Intermodulation will no affect the measurment. The termination can also be used in high precision testing and measurment of amplifiers.

ORDER INFORMATION

ST 18 X A-50-2W-18

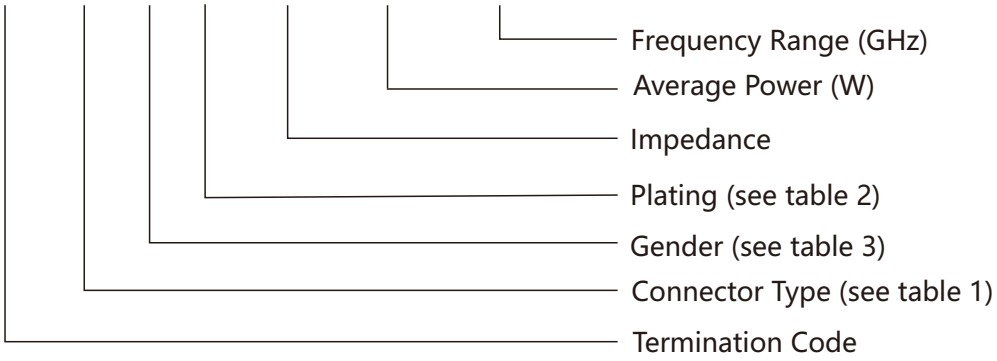

Table 1: Connector Type

Code	Connector Type	Note
17	SSMA	
18	SMA	
25	BNC	
26	TNC	
27	N	
28	7/16	
30	QMA	
36	2.92mm(SMK)	
38	2.4mm	
39	3.5mm	
47	4.3/10	
62	SMA	Reversse Polarity
74	BNC	75Ω
76	N	75Ω
80	1.85mm	

Table 2: Plating

Code	Plating Series	
	Inner Conductor	Body
A	Gold	Gold
B	Gold	Nickel
D	Gold	Stainless Steel Passivated
M	Silver	Ternary Alloy(SUCO)

Table 3: Gender

1	Male
2	Female

Coaxial Fixed Termination

Part Number	Average Power(W)	Peak Power(KW)	Low Freq. (GHz)	High Freq. (GHz)	Max VSWR	Connector Type	Datasheet
ST80XD-50-2W-67	2	0.2	DC	67	1.45	1.85mm	
ST38XD-50-2W-XX	2	0.2	DC	50	1.30-1.35	2.4mm	
ST38XD-50-5W-XX	5	0.2	DC	50	1.30-1.40	2.4mm	
ST36XD-50-2W-26	2	0.2	DC	26.5	1.20-1.25	2.92mm	
ST36XD-50-2W-XX	2	0.2	DC	40	1.35	2.92mm	
ST36XD-50-5W-XX	5	0.2	DC	40	1.20-1.35	2.92mm	
ST361D-50-10W-XX	10	0.2	DC	40	1.25-1.35	2.92mm(M)	
ST361D-50-20W-XX	20	0.2	DC	40	1.25-1.35	2.92mm(M)	
ST361D-50-50W-XX	50	0.2	DC	40	1.25-1.40	2.92mm(M)	
ST39XA-50-2W-XX	2	0.5	DC	26.5	1.15-1.20	3.5mm	
ST39XA-50-5W-XX	5	0.5	DC	26.5	1.15-1.20	3.5mm	
ST39XA-50-10W-XX	10	1	DC	26.5	1.15-1.25	3.5mm	
ST39XA-50-25W-XX	25	1	DC	26.5	1.15-1.25	3.5mm	
ST39XA-50-50W-XX	50	1	DC	26.5	1.15-1.25	3.5mm	
ST181B-50-1W-XXP	1	0.1	DC	18	1.05-1.30	SMA(M)	
ST18XB-50-2W-XX	2	0.25	DC	26.5	1.20-1.25	SMA	
ST181B-50-2W-XXE	2	0.25	DC	18	1.10-1.35	SMA(M)	
ST181B-50-2W-XXG	2	0.25	DC	18	1.20-1.25	SMA(M)	
ST18XB-50-5W-XX	5	0.5	DC	26.5	1.10-1.30	SMA	
ST18XB-50-10W-XX	10	1	DC	26.5	1.10-1.30	SMA	
ST18XB-50-25W-26	25	0.5	DC	26.5	1.3	SMA	
ST18XB-50-50W-26	50	1	DC	26.5	1.3	SMA	
ST629B-50-2W-XX	2	0.1	DC	12.4	1.15-1.25	RP SMA(M)	
ST17XA-50-2W-XX	2	0.25	DC	18	1.20-1.30	SSMA	
ST271B-50-2W-XX	2	0.5	DC	6	1.15-1.25	N(M)	
ST271B-50-2W-XXGH	2	0.5	DC	18	1.10-1.30	N(M)	
ST281B-50-2W-03	2	0.2	DC	3	1.1	7/16(M)	
ST271B-50-2W-XXE	2	0.5	DC	8	1.10-1.25	N(M)	
ST271B-50-5W-XXP	5	0.5	DC	8	1.10-1.20	N(M)	
ST271B-50-5W-XX	5	1	DC	6	1.15-1.25	N(M)	
ST271B-50-5W-XXE	5	1	DC	6	1.15-1.25	N(M)	
ST271B-50-5W-XXGH	5	1	DC	18	1.10-1.30	N(M)	

Coaxial Fixed Termination

Part Number	Average Power(W)	Peak Power(KW)	Low Freq. (GHz)	High Freq. (GHz)	Max VSWR	Connector Type	Datasheet
ST281B-50-5W-03	5	0.5	DC	3	1.1	7/16(M)	
ST261B-50-6W-XX	6	0.5	DC	8	1.10-1.20	TNC(M)	
ST271B-50-10W-XX	10	1	DC	6	1.15-1.20	N(M)	
ST271B-50-10W-XXGH	10	1	DC	18	1.35-1.40	N(M)	
ST271B-50-10W-XXE	10	1	DC	4	1.15-1.30	N(M)	
ST271B-50-25W-XX	25	1	DC	6	1.15-1.25	N(M)	
ST271B-50-25W-XXGH	25	1	DC	18	1.25-1.40	N(M)	
ST271B-50-25W-XXE	25	1	DC	4	1.10-1.30	N(M)	
ST271B-50-30W-XX	30	1	DC	6	1.15-1.25	N(M)	
ST271B-50-30W-XXE	30	1	DC	4	1.15-1.30	N(M)	
ST271B-50-50W-XXA	50	10	DC	4	1.05-1.20	N(M)	
ST271B-50-50W-XX	50	1	DC	6	1.10-1.25	N(M)	
ST271B-50-50W-XXE	50	1	DC	10	1.10-1.25	N(M)	
ST271B-50-50W-XXW	50	5	DC	10	1.15-1.55	N(M)	
ST271B-50-50W-XXGH	50	1	DC	18	1.25-1.40	N(M)	
ST271B-50-50W-XXGHC	50	1	DC	18	1.15-1.35	N(M)	
ST271B-50-60W-XX	60	10	DC	4	1.05-1.20	N(M)	
ST271B-50-60W-XXG	60	5	DC	10	1.10-1.35	N(M)	
ST271B-50-80W-XX	80	5	DC	4	1.15-1.25	N(M)	
ST271B-50-80W-XXGH	80	1	DC	18	1.20-1.40	N(M)	
ST271B-50-80W-XXW	80	5	DC	18	1.15-1.55	N(M)	
ST271B-50-100W-XX	100	10	DC	4	1.10-1.25	N(M)	
ST271B-50-100W-XXG	100	1	DC	18	1.30-1.40	N(M)	
ST271B-50-100W-XXGC	100	1	DC	18	1.25-1.35	N(M)	
ST27XB-50-100W-XXW	100	5	DC	18	1.15-1.55	N	
ST271B-50-150W-XX	150	10	DC	4	1.15-1.30	N(M)	
ST271B-50-150W-XXG	150	1	DC	18	1.35-1.40	N(M)	
ST271B-50-150W-XXGC	150	1	DC	18	1.25-1.35	N(M)	
ST271B-50-150W-XXW	150	5	DC	10	1.15-1.35	N(M)	
ST272B-50-150W-XXWC	150	5	DC	18	1.15-1.55	N(F)	
ST271B-50-200W-XX	200	10	DC	4	1.15-1.30	N(M)	
ST271B-50-200W-XXG	200	1	DC	18	1.25-1.40	N(M)	

Coaxial Fixed Termination

Part Number	Average Power(W)	Peak Power(KW)	Low Freq. (GHz)	High Freq. (GHz)	Max VSWR	Connector Type	Datasheet
ST27XB-50-200W-XXW	200	5	DC	18	1.10-1.35	N	
ST271B-50-250W-XX	250	10	DC	4	1.15-1.35	N(M)	
ST271B-50-250W-XXG	250	1	DC	18	1.25-1.40	N(M)	
ST271B-50-250W-XXW	250	5	DC	10	1.15-1.35	N(M)	
ST272B-50-250W-XXWC	250	5	DC	10	1.15-1.35	N(F)	
ST271B-50-300W-XX	300	10	DC	4	1.15-1.40	N(M)	
ST271B-50-300W-XXG	300	1	DC	18	1.30-1.50	N(M)	
ST271B-50-300W-XXW	300	5	DC	18	1.15-1.70	N(M)	
ST271B-50-400W-XX	400	10	DC	4	1.15-1.45	N(M)	
ST271B-50-400W-XXW	400	5	DC	10	1.15-1.50	N(M)	
ST271B-50-500W-XX	500	10	DC	4	1.15-1.45	N(M)	
ST271B-50-500W-XXW	500	5	DC	10	1.15-1.55	N(M)	
ST271B-50-800W-XX	800	10	DC	4	1.20-1.45	N(M)	
ST272B-50-1KW-XXW	1000	5	DC	8	1.15-1.55	N(F)	
ST272B-50-1KW-XXG	1000	10	DC	4	1.20-1.50	N(F)	
ST272B-50-1.5KW-XXG	1500	10	DC	4	1.20-1.75	N(F)	
ST272B-50-2KW-XXG	2000	10	DC	4	1.20-1.75	N(F)	
ST272B-50-1KW-02	1000	50	DC	2	1.3	N(F)	
ST272B-50-1KW-02B	1000	50	DC	2	1.3	N(F)	
ST272B-50-2KW-02	2000	50	DC	2	1.3	N(F)	
ST272B-50-2KW-02B	2000	50	DC	2	1.3	N(F)	
ST282B-50-3KW-02	3000	50	DC	2	1.3	7/16(F)	
ST282B-50-5KW-01	5000	100	DC	1	1.4	7/16(F)	
ST282B-50-10KW-01	10000	100	DC	1	1.4	7/16(F)	
ST741B-75-1W-XX	1	0.5	DC	3	1.10-1.20	75ohm BNC(M)	
ST761B-75-2W-XX	2	0.5	DC	3	1.10-1.20	75ohm N(M)	
ST761B-75-5W-XX	5	0.5	DC	3	1.10-1.20	75ohm N(M)	
ST471B-50-10W-XX	10	1	DC	6	1.20-1.25	4.3-10(M)	
ST471B-50-25W-XX	25	1	DC	6	1.20-1.25	4.3-10(M)	
ST471B-50-50W-XX	50	5	DC	8	1.15-1.30	4.3-10(M)	
ST471B-50-100W-XX	100	5	DC	4	1.20-1.25	4.3-10(M)	
ST471B-50-100W-XXW	100	5	DC	6	1.20-1.30	4.3-10(M)	

Coaxial Fixed Termination

Part Number	Average Power(W)	Peak Power(KW)	Low Freq. (GHz)	High Freq. (GHz)	Max VSWR	Connector Type	Datasheet
ST471B-50-150W-XXW	150	5	DC	6	1.20-1.30	4.3-10(M)	
ST471B-50-200W-XXW	200	5	DC	6	1.20-1.30	4.3-10(M)	
ST301B-50-1W-XX	1	0.25	DC	6	1.15-1.20	QMA(M)	

*** Please contact with us if you can't find the right products in the list, Customization is available**

Inset Termination

Part Number	Average Power(W)	Peak Power(KW)	Low Freq. (GHz)	High Freq. (GHz)	Max VSWR	Connector Type	Datasheet
SNT18XB-50-5W-18	5	/	DC	18	1.3	SMA	
SNT39XD-50-5W-26	5	/	DC	26.5	1.3	3.5mm	
SNT18XB-50-10W-18	10	/	DC	18	1.3	SMA	
SNT39XD-50-10W-26	10	/	DC	26.5	1.3	3.5mm	
SNT18XB-50-20W-18	20	/	DC	18	1.3	SMA	
SNT39XD-50-20W-26	20	/	DC	26.5	1.3	3.5mm	
SNT26XB-50-20W-XX	20	/	DC	18	1.25	TNC	
SNT27XB-50-20W-XX	20	/	DC	18	1.25	N	
SNT18XB-50-30W-18	30	/	DC	18	1.3	SMA	
SNT39XD-50-30W-26	30	/	DC	26.5	1.3	3.5mm	
SNT26XB-50-30W-XX	30	/	DC	18	1.25	TNC	
SNT27XB-50-30W-XX	30	/	DC	18	1.25	N	
SNT18XB-50-50W-18	50	/	DC	18	1.35	SMA	
SNT39XD-50-50W-26	50	/	DC	26	1.3	3.5mm	
SNT26XB-50-50W-XX	50	/	DC	18	1.35	TNC	
SNT27XB-50-50W-XX	50	/	DC	18	1.35	N	
SNT271B-50-50W-XXW	50	10	DC	18	1.10-1.55	N(M)	
SNT271B-50-60W-XXW	60	10	DC	18	1.10-1.55	N(M)	
SNT271B-50-75W-XXW	75	10	DC	18	1.10-1.55	N(M)	
SNT271B-50-150W-XXW	150	10	DC	10	1.10-1.35	N(M)	
SNT271B-50-200W-04W	200	10	DC	4	1.2	N(M)	
SNT271B-50-50W-XXWN	50	10	DC	18	1.20-1.55	N(M)	
SNT271B-50-100W-XXWN	100	10	DC	18	1.20-1.55	N(M)	
SNT271B-50-200W-XXWN	200	10	DC	10	1.25-1.40	N(M)	
SNT271B-50-300W-XXWN	300	10	DC	10	1.25-1.40	N(M)	
SNT271B-50-50W-XXN	50	10	DC	4	1.15-1.30	N(M)	
SNT271B-50-100W-XXN	100	10	DC	4	1.15-1.30	N(M)	
SNT271B-50-200W-XXN	200	10	DC	4	1.15-1.40	N(M)	
SNT271B-50-250W-XXN	250	10	DC	4	1.15-1.40	N(M)	
SNT271B-50-300W-XXN	300	10	DC	4	1.15-1.40	N(M)	

Waterproof Termination

Part Number	Average Power(W)	Peak Power(KW)	Low Freq. (GHz)	High Freq. (GHz)	Max VSWR	Connector Type	Datasheet
ST281B-50-2W-03F	2	0.5	DC	3	1.1	7/16(M)	
ST281B-50-5W-03F	5	0.5	DC	3	1.1	7/16(M)	
ST271B-50-5W-XXF	5	0.5	DC	4	1.10-1.20	N(M)	
ST271B-50-25W-XXF	25	1	DC	4	1.15-1.25	N(M)	
ST271B-50-30W-XXF	30	1	DC	4	1.15-1.25	N(M)	
ST271B-50-50W-XXF	50	1	DC	4	1.15-1.25	N(M)	
ST281B-50-80W-XXF	80	1	DC	4	1.10-1.20	7/16(M)	
ST281B-50-100W-XXF	100	5	DC	4	1.10-1.20	7/16(M)	

Low PIM Termination

Part Number	Average Power(W)	Peak Power(KW)	Low Freq. (GHz)	High Freq. (GHz)	Max VSWR	Connector Type	Datasheet
ST271M-50-2W-03LIM	2	0.5	DC	3	1.15	N(M)	
ST271M-50-5W-03LIM	5	0.5	DC	3	1.15	N(M)	
ST271M-50-10W-03LIM	10	1	DC	3	1.2	N(M)	
ST271M-50-25W-03LIM	25	1	DC	3	1.2	N(M)	
ST271M-50-50W-03LIM	50	1	DC	3	1.1	N(M)	
ST271M-50-100W-03LIM	100	10	DC	3	1.2	N(M)	
ST271M-50-300W-03LIM	300	10	DC	3	1.35	N(M)	

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