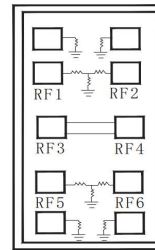


Performance

- Frequency: DC~40GHz
- Type: 0,2,4; 0,3,5; 0,0,5,1; 0,1,2&0, 1.5,3dB can be chose
- Power Handling: +27dBm
- Size: 1.05*0.62*0.1mm

Function Diagram

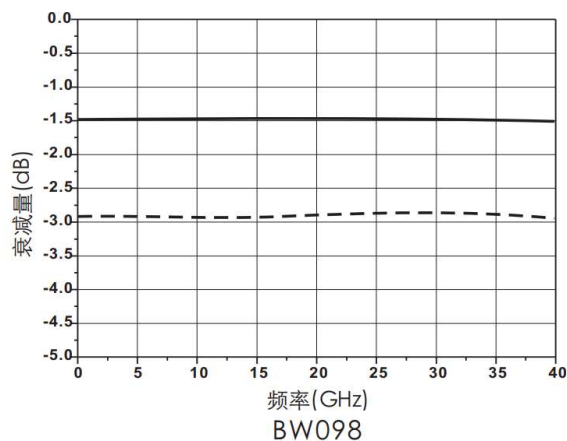


Electrical Specifications (Ta=+25°C, 50Ω system)

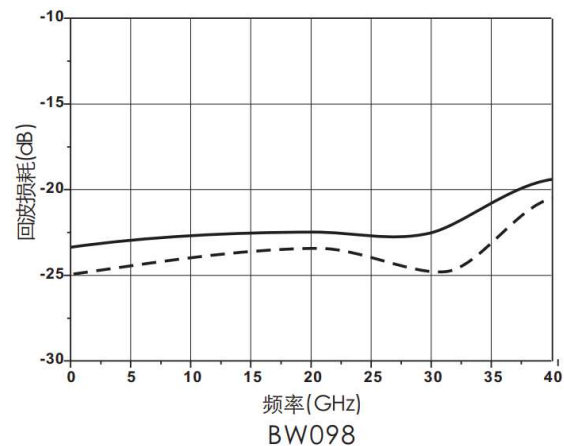
Part Number	Attenuation (dB)	Return loss (dB)	Attenuation Flatness (dB)	Return Loss (dB)	Attenuation Flatness (dB)
		DC~20GHz		20~40GHz	
BW094	2	24	±0.3	17	±0.4
	Thru line (short)	21	±0.3	18	±0.5
	4	23	±0.3	17	±0.5
BW095	3	23	±0.3	18	±0.4
	Thru line (short)	23	±0.3	18	±0.5
	5	23	±0.3	18	±0.5
BW096	0.5	23	±0.3	18	±0.5
	Thru line (short)	23	±0.3	18	±0.5
	1	23	±0.3	18	±0.5
BW097	1	23	±0.3	18	±0.6
	Thru line (short)	23	±0.3	18	±0.5
	2	23	±0.3	18	±0.6
BW098	1.5	23	±0.3	18	±0.5
	Thru line(short)	23	±0.3	18	±0.5
	3	23	±0.3	18	±0.5

Test Curve

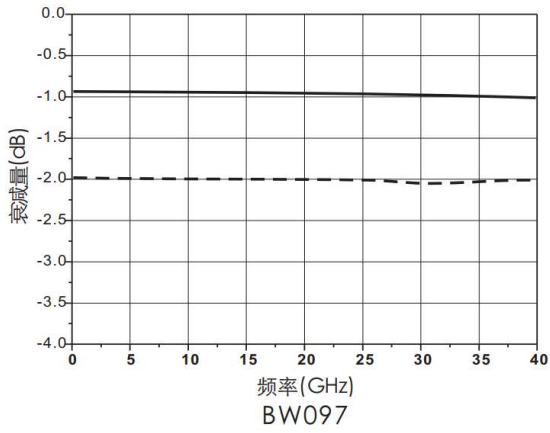
Attenuation vs. Frequency



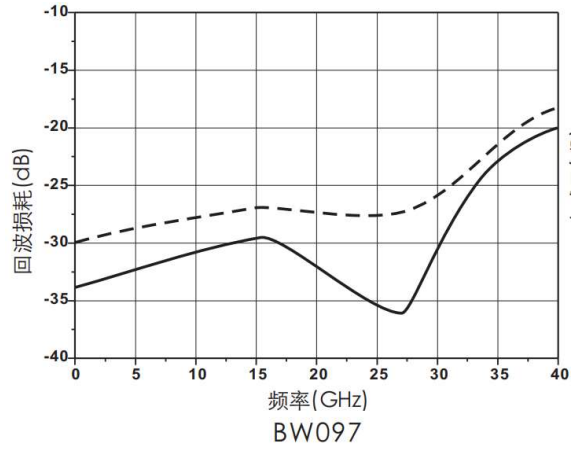
Return Loss vs. Frequency



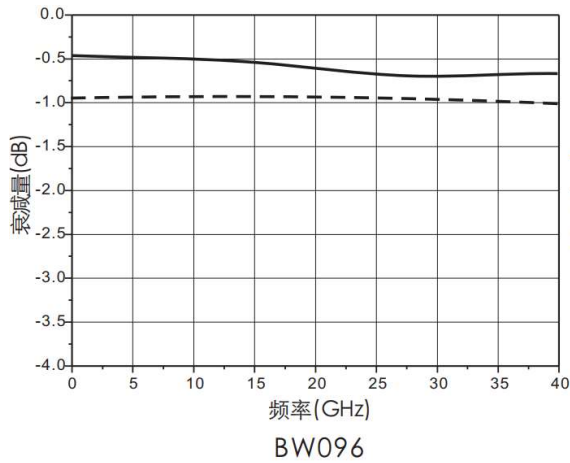
Attenuation vs. Frequency



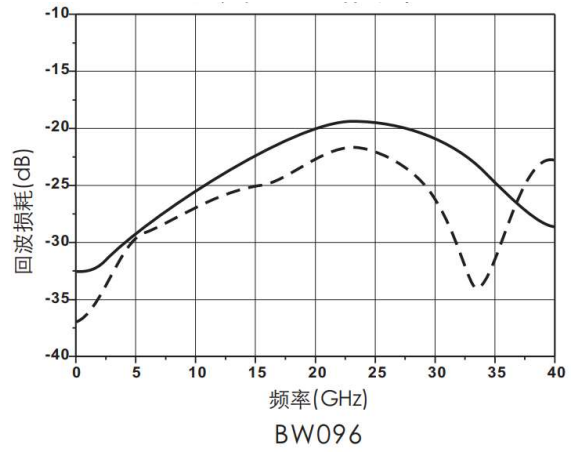
Return Loss vs. Frequency



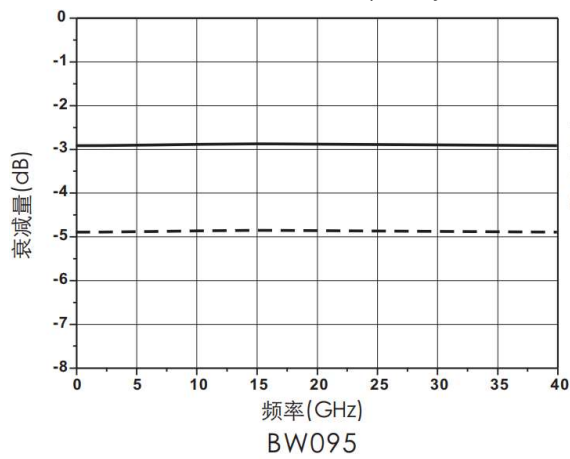
Attenuation vs. Frequency



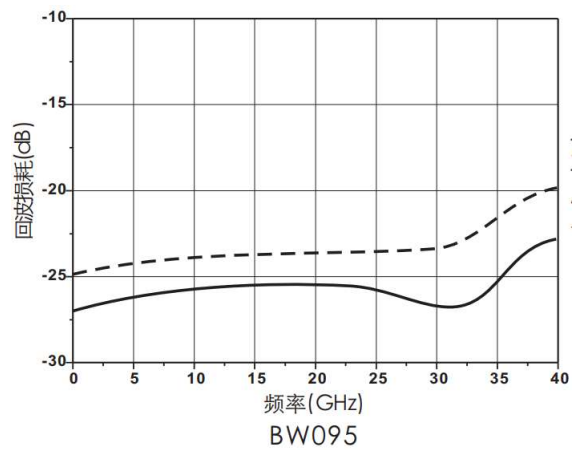
Return Loss vs. Frequency



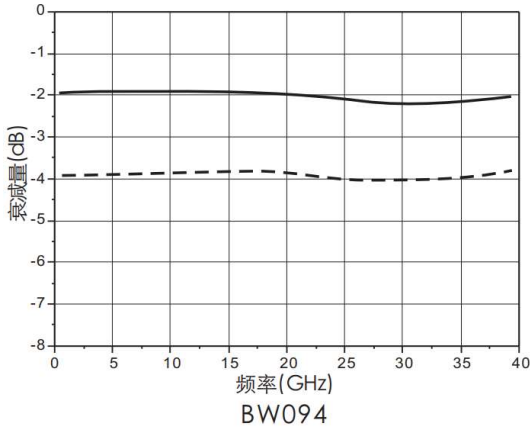
Attenuation vs. Frequency



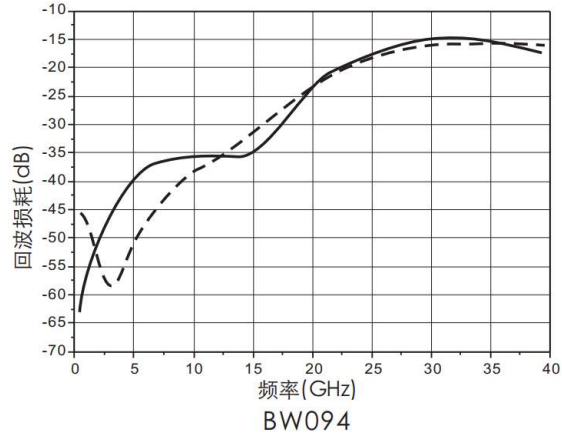
Return Loss vs. Frequency



Attenuation vs. Frequency



Return Loss vs. Frequency



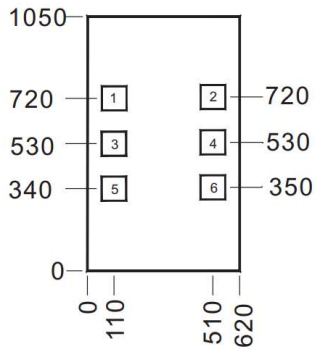
Absolute Ratings

Input Power	BW094	BW095	BW096	BW097	BW098
		27dBm	27dBm	27dBm	27dBm
DC voltage (Terminated with load)	+5V				
DC voltage (Terminated with open)	+5V				
Storage Temperature	-65~+175°C				
Operating Temperature	-55~+125°C				



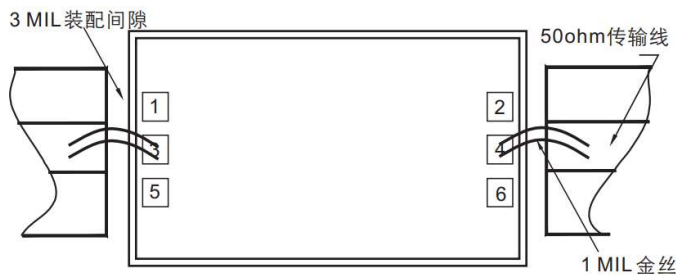
ELECTROSTATIC SENSITIVE DEVICE
OBSERVE HANDLING PRECAUTIONS

Outline size



1. Unit: mm
2. Bottom is gold plated
3. Bottom is grounded
4. Don't bonding on thru holes
5. Pads is gold plated, size: 100*100um
6. Size tolerance: $\pm 50\mu\text{m}$

Application



Bonding Definition

Number	Symbol	Description
1,2,3, 4,5,6	RF1, RF2, RF3, RF4, RF5, RF6	RF ports, 50ohm, DC coupling has to connect to external block capacitor
-	GND	Bottom must be grounded
1,2	RF1, RF2	Low attenuation
3,4	RF3, RF4	Thru
5,6	RF5, RF6	High attenuation