

High Pass Filter

WGLH-04400-2012

50Ω

4900 to 18500 MHz

Ver. A

2026.07.13

Maximum Rating

Operating Temperature -55°C~+125°C

Storage Temperature -55°C~+125°C

RF Input Power 3W at 25°C

Pin Connections

RF Input 1

RF Output 3

Ground 2,4,5,6

Features

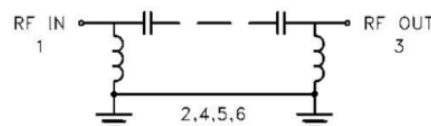
- High Performance
- Small Size
- Wide Band
- Ultra Low I.L.
- Temperature Stable
- LTCC Structure

Application

- Harmonic Rejection
- Transmitters/Receivers
- Base Station of Mobile Communication
- Lab Use



RoHS Compliant

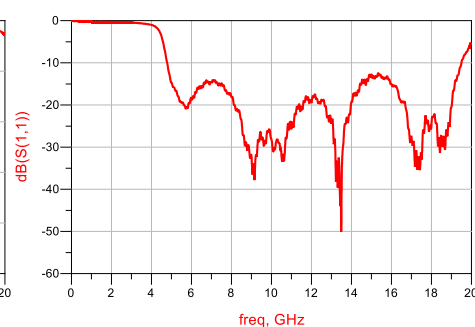


Functional Schematic

Electrical Specifications⁽¹⁾ at 25°C

Parameter	Frequency (MHz)	MIN	Typ.	MAX	Unit
Pass Band	4900-5300	--	2.0	--	dB
	5300-6100	--	1.5	2.0	
	6100-17000	--	0.9	1.4	
	17000-18500	--	1.0	--	
Return Loss	4900-18500	--	12	--	dB
Stop Band	Rejection Loss	DC-3000 3000-3500	36 25	42 38	dB
	Freq. Cut-Off	4560	-	3.5	

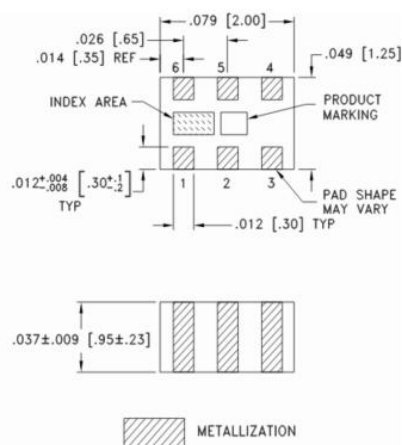
(1) Tested on Demo Board.



Notes

- The specifications are tested at 25°C±5°C, relative humidity 55~75%.
- Other quality and characteristic not specify in this datasheet. Please contact us for detail requirements.

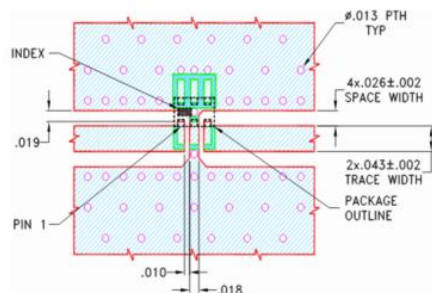
外形示意



Weight: .008 grams.

Dimensions are in inches (mm). Tolerances: 2 Pl. ±.01; 3 Pl. ±.005

推荐PCB布局



- NOTES:
1. COPLANAR WAVEGUIDE PARAMETERS ARE SHOWN FOR ROGERS (R04350B) WITH DIELECTRIC THICKNESS .020±.0015, COPPER: 1/2 Oz. EACH SIDE. FOR OTHER MATERIALS TRACE WIDTH AND GAP MAY NEED TO BE MODIFIED.
 2. BOTTOM SIDE OF THE PCB IS CONTINUOUS GROUND PLANE.
■ DENOTES PCB COPPER PATTERN WITH SMOBC (SOLDER MASK OVER BARE COPPER)
□ DENOTES PCB COPPER PATTERN FREE OF SOLDERMASK



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