

High Pass Filter

WGLH-07500-1608

50Ω 8.2 to 21 GHz

Ver. A
2026.07.03

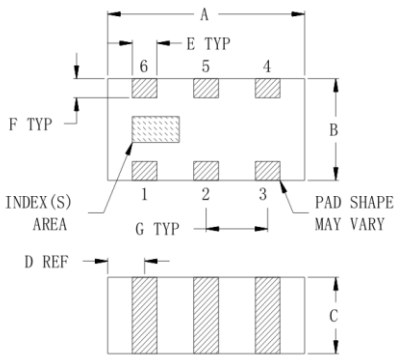
Maximum Rating

Operating Temperature	-55°C~+125°C
Storage Temperature	-55°C~+125°C
RF Input Power	2.5W at 25°C

Pin Connections

RF Input	1
RF Output	3
Ground	2,4,5,6

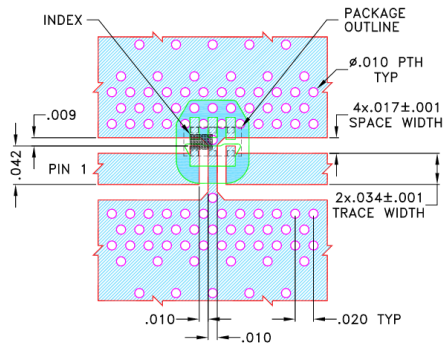
外形尺寸



OUTLINE DIMENSIONS (Inches)

A	B	C	D
.063	.032	.024	.012
1.60	0.80	0.60	0.30
E	F	G	Wt.
.008	.006	.020	grams
0.20	0.15	0.50	.005

建议PCB布局



NOTES:

- COPLANAR WAVEGUIDE PARAMETERS ARE SHOWN FOR ROGERS (R04350B) WITH DIELECTRIC THICKNESS .0200±.0015, COPPER: 1/2 Oz. EACH SIDE. FOR OTHER MATERIALS TRACE WIDTH AND GAP MAY NEED TO BE MODIFIED.
- 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

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

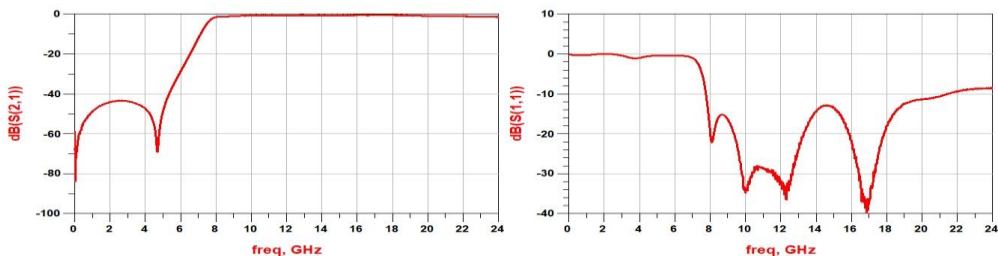


Functional Schematic

Electrical Specifications⁽¹⁾ at 25°C

Parameter	Frequency (GHz)	MIN	Typ.	MAX	Unit
Pass Band	Insertion Loss	8.2-9.5	--	1.8	dB
		9.5-15	--	0.8	
		15-21	--	1.0	
Pass Band	Return Loss	8.2-15	--	10	dB
		15-21	--	7	
Stop Band	Rejection Loss	DC-4	38	44	dB
		4-6	25	34	
Stop Band	Freq. Cut-Off	7.6	-	3.0	dB

(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.



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