

High Pass Filter

WGLH-06600-1608

50Ω 7.2 to 20 GHz

Ver. A
2026.07.03

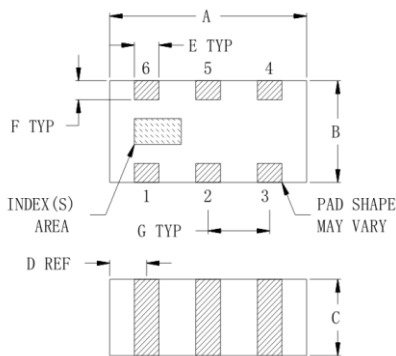
Maximum Rating

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

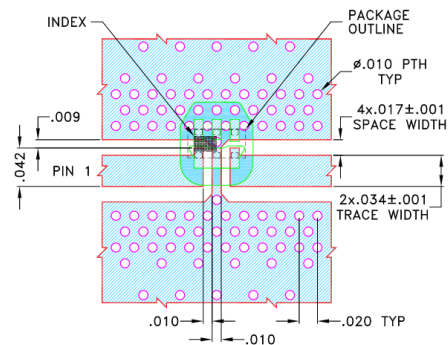
外形尺寸



OUTLINE DIMENSIONS (Inches / mm)

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

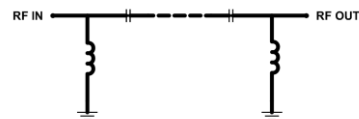
- High Performance
- Small Size
- Wide Band
- Ultra Low I.L.
- Temperature Stable
- LTCC Structure

Application

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



RoHS Compliant



Functional Schematic

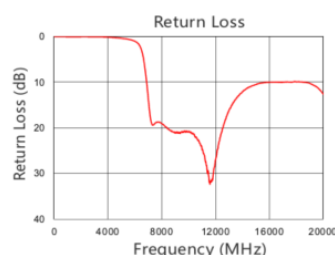
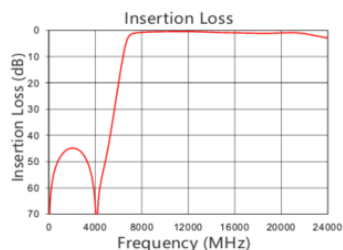
Electrical Specifications⁽¹⁾ at 25°C

Parameter		Frequency (GHz)	MIN	Typ.	MAX	Unit
Pass Band	Insertion Loss	7.2-9.0	--	2.0	--	dB
		9.0-15	--	1.0	2.0	
		15-20	--	1.8	--	
	Return Loss	7.2-9.0	--	13	--	dB
		9.0-15	--	9	--	
		15-20	--	8	--	
Stop Band	Rejection Loss	DC-4.2	38	44	-	dB
		4.2-5.2	25	42	-	
	Freq. Cut-Off	6.8	-	3.0	-	

(1) Tested on Demo Board.

Typical Performance at 25°C

Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)
10	93.22	0.03
100	67.05	0.03
2000	44.86	0.07
4200	70.45	0.19
5200	42.36	0.47
5650	30.07	0.71
6000	20.26	1.03
6600	5.60	4.16
6800	2.96	7.98
7200	1.26	18.55
9000	0.55	21.04
12000	0.41	27.04
15000	0.81	10.53
17000	1.00	9.99
20000	0.96	12.58



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.



Well Genius Technology (Shanghai) LTD.

Room 1001, Block C, Hi-Tech Building, No.900 Yi Shan Rd, Shanghai, P.R.C, 200233

Tel: (021) 6495 8888

Fax: (021) 5423 5889

www.wellgenius.com