

High Pass Filter

WGLH-00740

50Ω 780 to 2800 MHz

Ver. B
2025.09.19

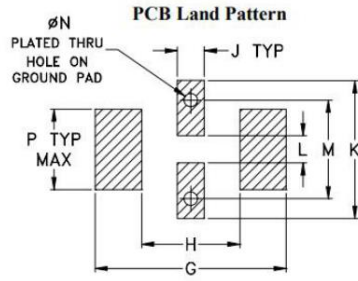
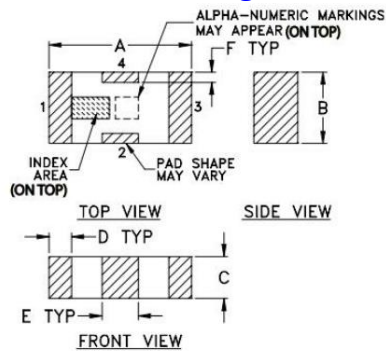
Maximum Rating

Operating Temperature	-55°C~+125°C
Storage Temperature	-55°C~+125°C
RF Input Power	7W max at 25°C

Pin Connections

RF Input	1
RF Output	3
Ground	2,4

Outline Drawing

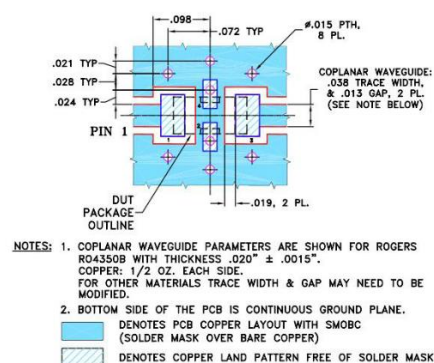


Suggested Layout,
Tolerance to be within ±.002

外形尺寸 (inch)

A	B	C	D	E	F	G
.126	.063	.037	.020	.032	.009	.169
3.20	1.60	0.94	0.51	0.81	0.23	4.29
H	J	K	L	M	N	P
.087	.024	.122	.024	.087	.012	.071
2.21	0.61	3.10	0.61	2.21	0.30	1.80
wt						
						grams
						.020

推荐PCB布局

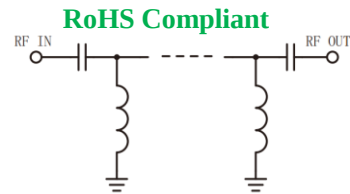
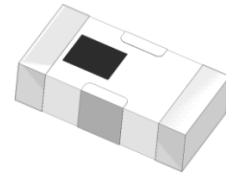


Features

- 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



Functional Schematic

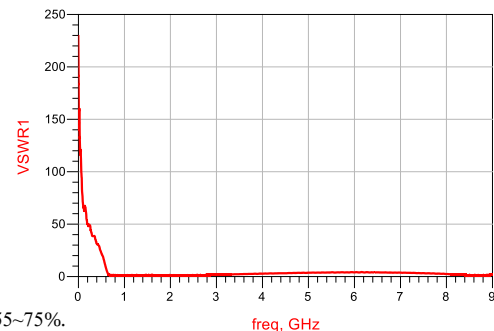
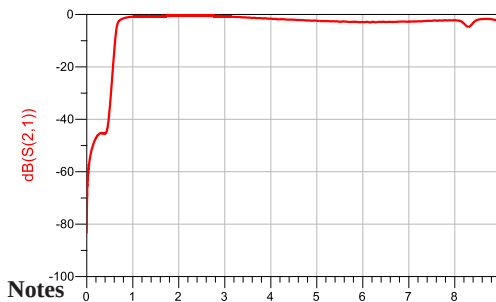
Electrical Specifications⁽¹⁾ at 25°C

Parameter		Frequency (MHz)	MIN	Typ.	MAX	Unit
Pass Band	Insertion Loss	900-2200	--	1.2	1.3	dB
		780-2800	--	2.0	2.5	dB
	Freq. Cut-off	740	--	3.0	--	dB
	VSWR	780-1900	--	1.5	--	:1
Stop Band	Rejection Loss	430	40	--	--	dB
		550	20	--	--	dB
	VSWR	430-550	--	20	--	:1

(1) Tested on Demo Board.

Typical Performance at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
10	67.98	148.9
100	52.13	69.73
430	44.65	30.08
550	24.64	16.37
740	1.931	1.344
780	1.598	1.289
900	1.07	1.085
1900	0.494	1.275
2200	0.407	1.047
2800	0.609	1.532
3200	0.911	1.065
4000	1.627	2.729
4500	1.977	3.186
5000	2.39	3.661
6000	2.89	3.995



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