

High Pass Filter

WGLH-02700A

50Ω 2900 to 8700 MHz

Ver. A
2025.11.21

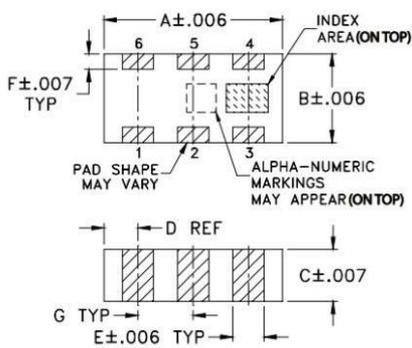
Maximum Rating

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

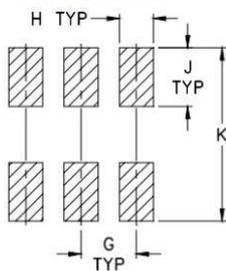
Pin Connections

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

Outline Drawing



PCB Land Pattern

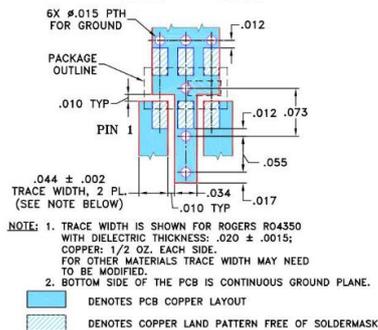


Suggested Layout,
Tolerance to be within ±.002

外形尺寸 (inch/mm)

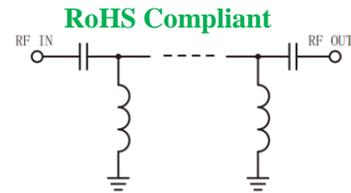
A	B	C	D	E	F
.126	.063	.035	.024	.022	.011
3.20	1.60	0.89	0.61	0.56	0.28
G	H	J	K	wt	
.039	.024	.042	.123	grams	
0.99	0.61	1.07	3.12	.020	

推荐PCB布局



Features

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



Application

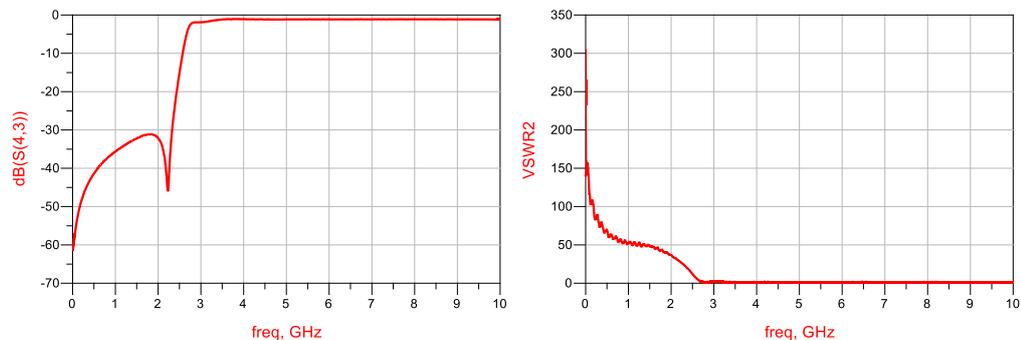
- Harmonic Rejection
- Transmitters/Receivers
- Base Station of Mobile Communication
- Lab Use

Electrical Specifications⁽¹⁾ at 25°C

Parameter	Frequency (MHz)	MIN	Typ.	MAX	Unit	
Pass Band	Insertion Loss	2900-8700	--	--	2.0	dB
		3070-8500	--	--	1.5	
	VSWR	3400-9000	--	1.5	--	:1
Stop Band	Rejection Loss	2270	--	30	--	dB
		2150	20	--	--	
	Freq. Cut-off	2700	--	3.0	--	
	VSWR	2150-2270	--	20	--	:1

(1) Tested on Demo Board.

Typical Performance at 25°C



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.