

High Pass Filter

WGLH-02700

50Ω 2650 to 6500 MHz

Ver. A
2025.11.21

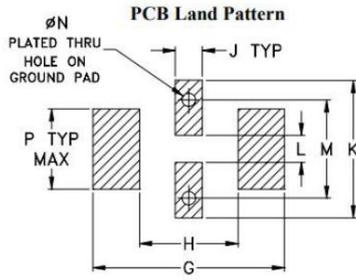
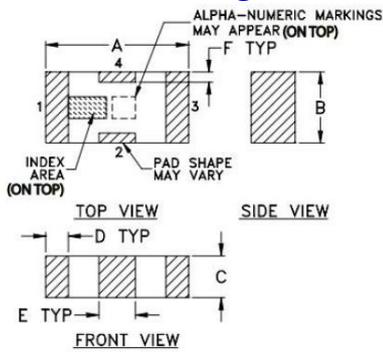
Maximum Rating

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

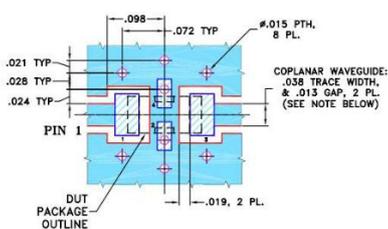
Outline Drawing



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	wt
.087	.024	.122	.024	.087	.012	.071	grams
2.21	0.61	3.10	0.61	2.21	0.30	1.80	.020

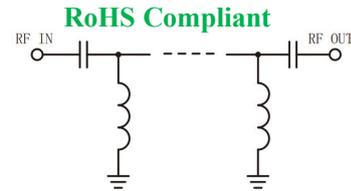
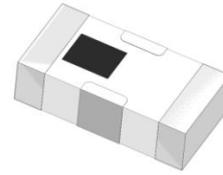
推荐PCB布局



- NOTES:
- COPLANAR WAVEGUIDE PARAMETERS ARE SHOWN FOR ROGERS RO4350B WITH THICKNESS .020" ± .0015". COPPER: 1/2 OZ. EACH SIDE. FOR OTHER MATERIALS TRACE WIDTH & GAP MAY NEED TO BE MODIFIED.
 - BOTTOM SIDE OF THE PCB IS CONTINUOUS GROUND PLANE.
 - DENOTES PCB COPPER LAYOUT WITH SMOBC (SOLDER MASK OVER BARE COPPER)
 - DENOTES COPPER LAND PATTERN FREE OF SOLDER MASK

Features

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



Application

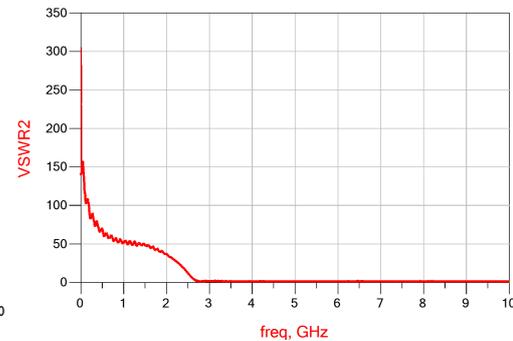
- Harmonic Rejection
- Transmitters/Receivers
- Base Station of Mobile Communication
- Lab Use

Electrical Specifications⁽¹⁾ at 25°C

Parameter	Frequency (MHz)	MIN	Typ.	MAX	Unit	
Pass Band	Insertion Loss	3000-5700	--	--	1.3	dB
		2650-6500	--	2.0	--	
	VSWR	2900-5500	--	1.5	--	:1
Stop Band	Rejection Loss	1500	40	--	--	dB
		1800	20	--	--	
	Freq. Cut-off	2500	--	3.0	--	
	VSWR	1500-1800	--	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.



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