

High Pass Filter

WGLH-02700AD

50Ω 2900 to 8700 MHz

Ver. A
2021.08.08

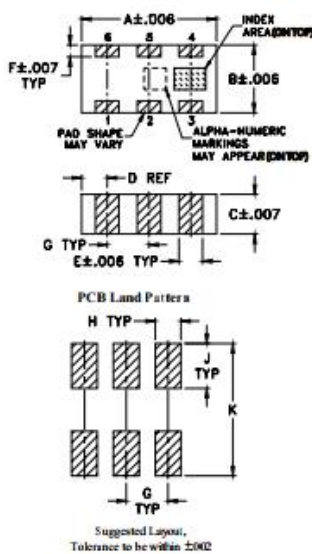
Maximum Rating

Operating Temperature	-55°C~+100°C
Storage Temperature	-55°C~+100°C
RF Input Power	7W max at 25°C

Pin Connections

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

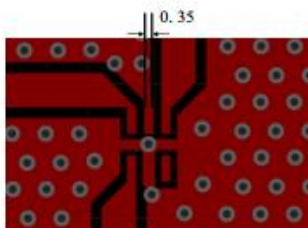
Outline Drawing



Outline Dimensions (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

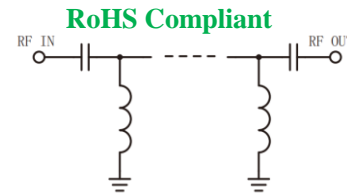
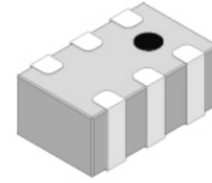
Recommended PC Board Pattern



- Solder Resist
- Land
- Through-hole (0.3)

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

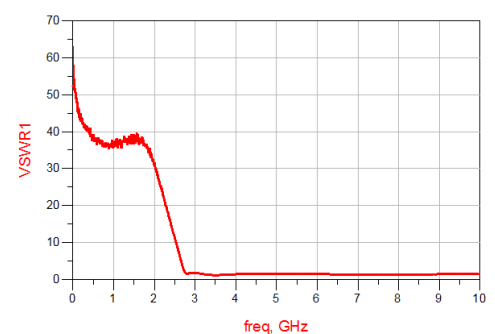
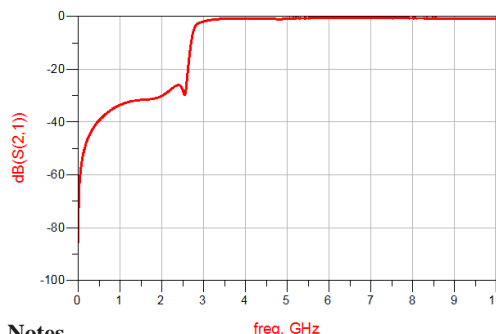
Electrical Specifications⁽¹⁾ at 25°C

Parameter	Frequency (MHz)	MIN	Typ.	MAX	Unit	
Pass Band	Insertion Loss	3070-8500	-	1.2	1.7	dB
	Freq. Cut-off	2880	-	3.0	-	dB
	VSWR	3400-7800	-	1.4	1.5	:1
Stop Band	Rejection Loss	2150	20	30	-	dB

(1) Tested on Demo Board.

Typical Performance at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50	78.03	151.59
240	55.90	90.72
1000	34.55	53.05
1650	31.36	43.94
2150	29.66	25.24
2270	28.29	20.73
2700	16.04	5.20
3000	2.08	1.77
3070	1.77	1.75
3400	0.92	1.26
6000	0.50	1.33
7000	0.59	1.25
8500	0.81	1.38
8700	0.86	1.42
9000	0.91	1.45



Notes

- a. The specifications are tested at 25°C±5°C, relative humidity 55~75%.
- b. Other quality and characteristic not specify in this datasheet. Please contact us for detail requirements.



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