

High Pass Filter

WGLH-08560

50Ω 8560 to 12800 MHz

Ver. A
2022.12.13

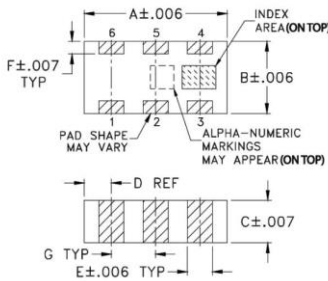
Maximum Rating

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

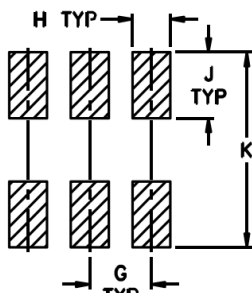
Pin Connections

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

Outline Drawing



PCB Land Pattern

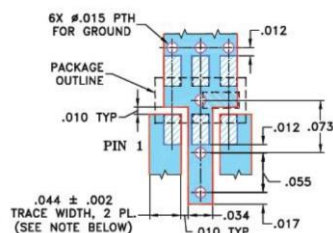


Suggested Layout,
Tolerance to be within ±.002

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	

Demo Board MCL P/N:TB-285 Suggested PCB Layout (PL-158)

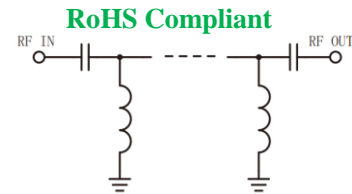
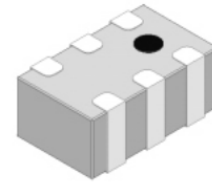


NOTE: 1. TRACE WIDTH IS SHOWN FOR ROGERS RO4350 WITH DIELECTRIC THICKNESS: .020 ± .0015; COPPER: 1/2 OZ. EACH SIDE. FOR OTHER MATERIALS TRACE WIDTH MAY NEED TO BE MODIFIED.

2. BOTTOM SIDE OF THE PCB IS CONTINUOUS GROUND PLANE.
- DENOTES PCB COPPER LAYOUT
 - DENOTES COPPER LAND 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

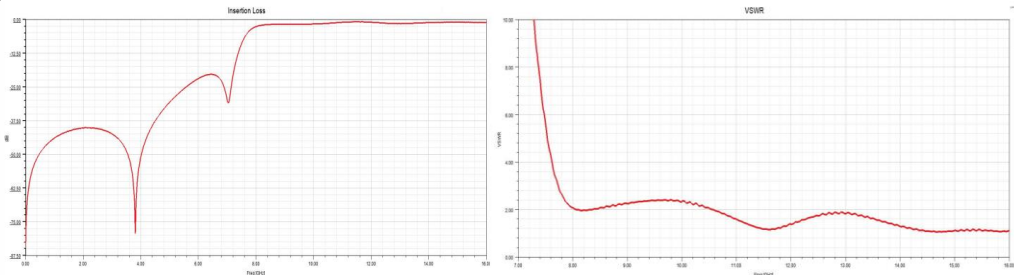
Electrical Specifications⁽¹⁾ at 25°C

Parameter	Frequency (MHz)	MIN	Typ.	MAX	Unit	
Pass Band	Insertion Loss	8560-12800	-	1.5	4.0	dB
	Freq. Cut-off	8000	-	3.0	-	dB
	VSWR	8560-12800	-	1.5	2.0	:1
Stop Band	Rejection Loss	5500	25	26	-	dB
		6500	17	20	-	dB

(1) Tested on Demo Board.

Typical Performance at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
500	61.91	1737
1000	38.60	1500
1960	35.58	157.9
3250	40.06	69.49
4170	39.69	32.79
5020	26.83	27.16
5680	22.27	25.72
6470	20.04	21.40
7550	9.03	2.47
8500	1.93	2.02
9480	1.81	2.34
10610	1.41	2.01
11530	0.92	1.52
12440	1.35	1.93
14000	1.19	1.61



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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