

Low Pass Filter

WGLL-06400

50Ω

DC to 6400 MHz

Ver. A

2021.01.10

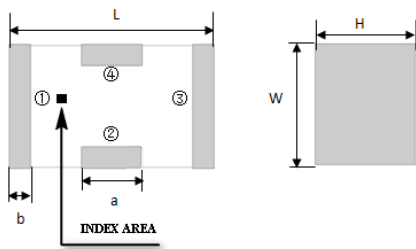
Maximum Rating

Operating Temperature	-55°C~+100°C
Storage Temperature	-55°C~+100°C
RF Input Power	10W max at 25°C

Pin Connections

RF Input	1
RF Output	3
Ground	2,4

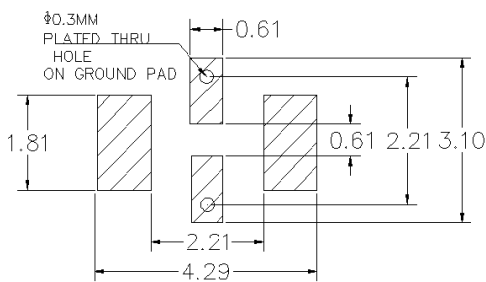
Outline Drawing



Outline Dimension(mm)

W	L	H
1.6±0.2	3.2±0.2	1.0±0.2
a	b	
0.8±0.1	0.5±0.1	

PCB Land Pattern(mm)



SUGGESTED LAYOUT

TOLERANCE TO BE WITHIN ±0.05mm

Features

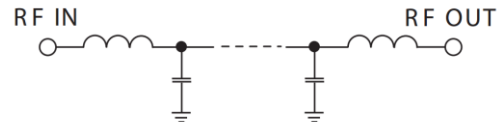
- High Performance
- Small Size
- Wide Band
- Ultra Low I.L.
- Temperature Stable
- LTCC Structure

Application

- Harmonic Rejection
- Transmitters/Receivers
- Lab Use



RoHS Compliant



Functional Schematic

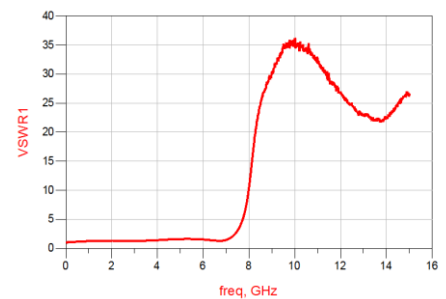
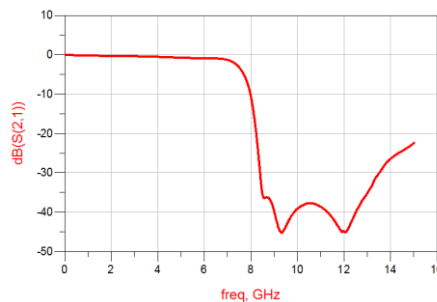
Electrical Specifications⁽¹⁾ at 25°C

Parameter		Frequency (MHz)	MIN	Typ.	MAX	Unit
Pass Band	Insertion Loss	DC-6400	-	0.9	1.4	dB
	Freq. Cut-off	7200	-	3.0	-	dB
	VSWR	DC-6400	-	1.5	2.0	:1
Stop Band	Rejection Loss	8300	20	30	-	dB
		8500-10200	20	30	-	dB
		10200-12500	15	25	-	dB

(1) Tested on Demo Board.

Typical Performance at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
500	0.09	1.12
2410	0.26	1.37
4140	0.26	1.21
5380	0.39	1.29
6400	0.62	1.25
7290	3.04	2.65
7630	10.04	4.33
7840	21.73	6.68
8020	36.03	10.21
8280	31.25	17.13
8950	44.92	37.85
10060	33.27	57.11
11560	30.38	54.42
13500	26.62	28.90
15000	27.90	14.76



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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