

Low Pass Filter

WGLL-02400

50Ω

DC to 2400 MHz

Ver. A
2019.8.22

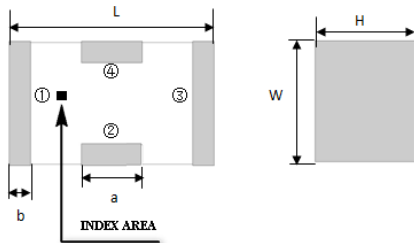
Maximum Rating

Operating Temperature	-55°C~+100°C
Storage Temperature	-55°C~+100°C
RF Input Power	5W max at 25°C

Pin Connections

RF Input	1
RF Output	3
Ground	2,4

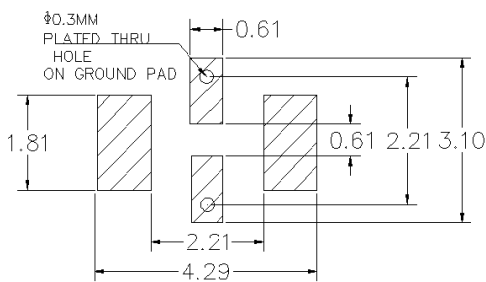
Outline Drawing



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

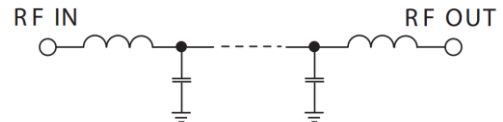
- High Performance
- Small Size
- Wide Band
- Ultra Low I.L.
- Temperature Stable
- LTCC Structure

Application

- Harmonic Rejection
- Transmitters/Receivers
- Lab Use



RoHS Compliant



Functional Schematic

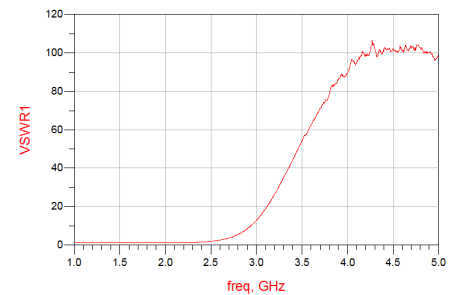
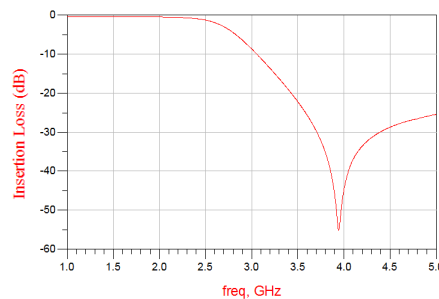
Electrical Specifications⁽¹⁾ at 25°C

Parameter		Frequency (MHz)	MIN	Typ.	MAX	Unit
Pass Band	Insertion Loss	DC-2400	-	1.3	1.5	dB
	Freq. Cut-off	2800	-	3.0	-	dB
	VSWR	DC-2400	-	1.2	1.5	:1
Stop Band	Rejection Loss	3600	20	30	-	dB
		3700-4000	20	30	-	dB
		5000	20	30	-	dB

(1) Test on our Demo Board.

Typical Performance at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
10	0.03	1.01
310	0.10	1.07
600	0.20	1.20
900	0.39	1.31
1200	0.41	1.19
1500	0.41	1.17
1800	0.46	1.13
2100	0.62	1.25
2400	1.34	1.97
2850	6.94	8.51
3000	10.53	14.15
3300	19.58	37.77
3600	38.18	115.81
4200	23.66	78.97
5000	19.90	34.75



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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