

Low Pass Filter

WGLL-01400-A

50Ω

DC to 1400 MHz

Ver. A
2018.5.20

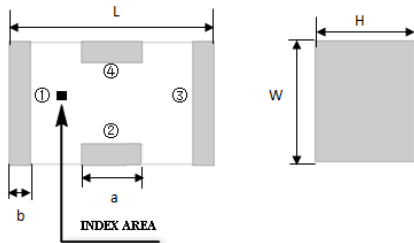
Maximum Rating

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

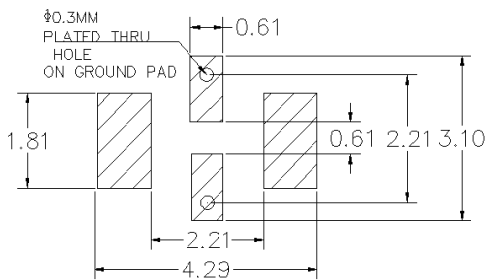
Outline Drawing



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

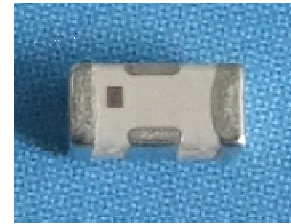
TOLERANCE TO BE WITHIN ±0.05mm

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

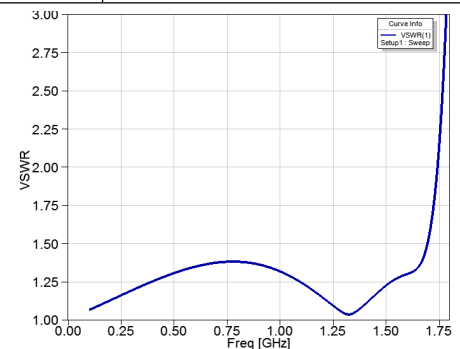
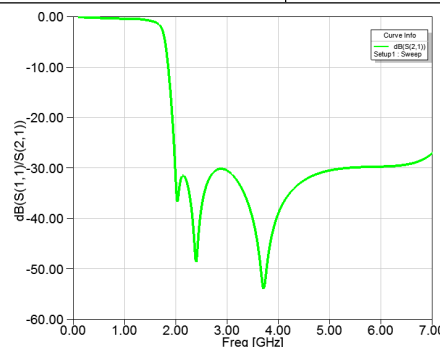
Electrical Specifications⁽¹⁾ at 25°C

Parameter	Frequency (MHz)	MIN	Typ.	MAX	Unit	
Pass Band	Insertion Loss	DC-1400	-	0.8	1.0	dB
	Freq. Cut-off	1750	-	3.0	-	dB
	VSWR	DC-1400	-	1.2	1.5	:1
Stop Band	Rejection Loss	1975	20	30	-	dB
		2500-5500	20	30	-	dB
		6800	15	25	-	dB

(1) Test on our Demo Board.

Typical Performance at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
100	0.16	1.03
500	0.28	1.3
1000	0.44	1.31
1400	0.66	1.1
1700	1.88	1.53
1975	26.35	14.89
2000	32.15	15.97
2500	37.95	21.07
3000	30.48	22.43
3500	40.06	30.06
4000	38.92	42.12
5000	30.46	61.03
5500	29.86	70.06
6000	29.7	82.45
7000	27.03	82.64



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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