

# Low Pass Filter

WGLL-00320

50Ω

DC to 320 MHz

Ver. A

2019.05.29

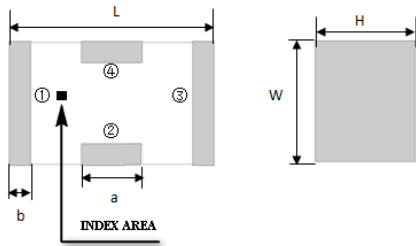
## Maximum Rating

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

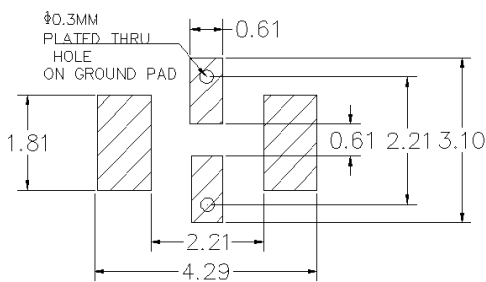
## Outline Drawing



## 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

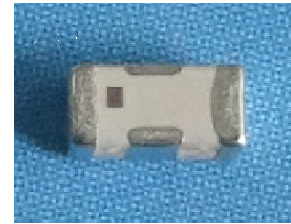
TOLERANCE TO BE WITHIN ±0.05mm

## 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

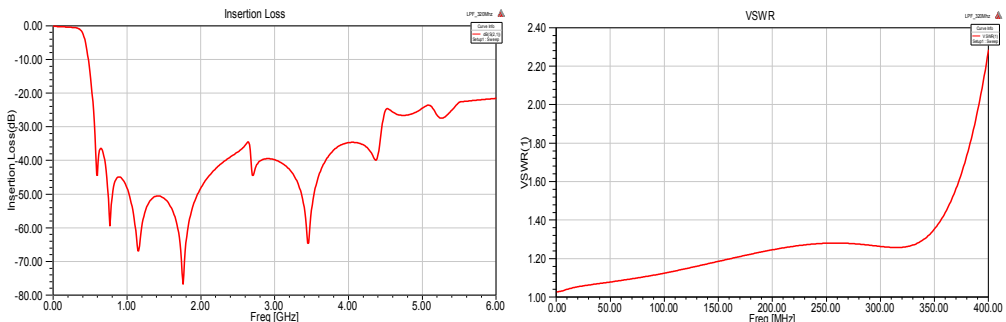
## Electrical Specifications<sup>(1)</sup> at 25°C

Parameter	Frequency (MHz)	MIN	Typ.	MAX	Unit	
Pass Band	Insertion Loss	DC-320	-	0.8	1.2	dB
	Freq. Cut-off	415	-	3.0	-	dB
	VSWR	DC-320	-	1.2	1.5	:1
Stop Band	Rejection Loss	560	20	30	-	dB
		700-3700	30	40	-	dB
		5000	20	30	-	dB

(1) Tested on Demo Board.

## Typical Performance at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50	0.25	1.07
100	0.29	1.12
320	0.68	1.26
360	1.01	1.44
460	7.39	7.68
535	21.27	28.46
560	28.55	36.28
580	37.56	42.02
640	36.48	57.31
1100	57.33	105
1500	51.14	94.85
2500	37.5	31.84
3500	54.7	22.79
5300	27.2	37.78
6000	21.57	88.93



## 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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