

# Low Pass Filter

WGLL-00530

50Ω

DC to 530 MHz

Ver. A

2019.07.07

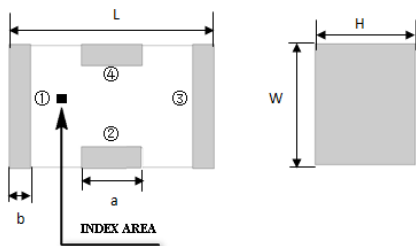
## Maximum Rating

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

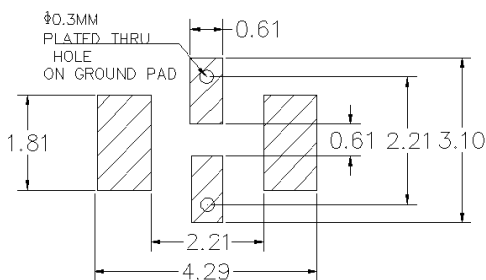
## Outline Drawing



## 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

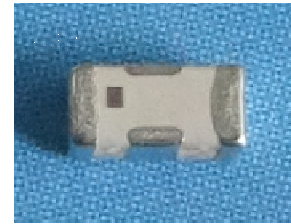
TOLERANCE TO BE WITHIN ±0.05mm

## 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

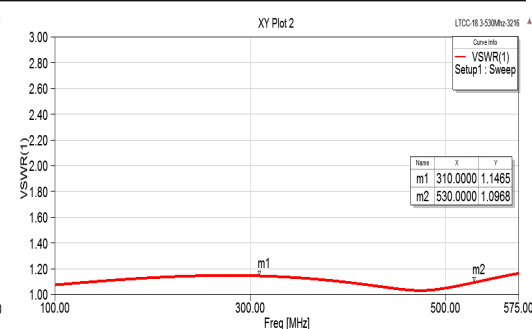
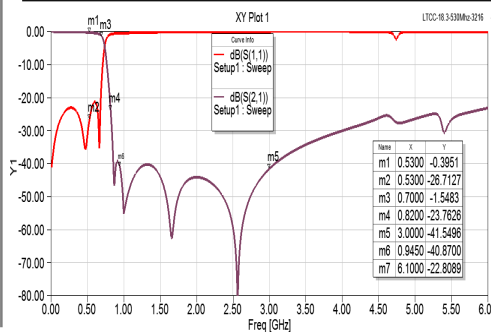
## Electrical Specifications<sup>(1)</sup> at 25°C

Parameter	Frequency (MHz)	MIN	Typ.	MAX	Unit	
Pass Band	Insertion Loss	DC-530	-	0.8	1.2	dB
	Freq. Cut-off	720	-	3.0	-	dB
	VSWR	DC-530	-	1.2	1.5	:1
Stop Band	Rejection Loss	820	20	25	-	dB
		860-3000	30	40	-	dB
		5000	15	25	-	dB

(1) Tested on Demo Board.

## Typical Performance at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50	0.11	1.04
100	0.14	1.08
500	0.39	1.07
530	0.45	1.10
720	3.01	2.34
800	18.42	14.37
910	39.40	24.83
1000	54.20	28.85
1200	36.48	36.02
1500	44.72	49.89
1700	67.46	60.46
2400	66.71	100.8
2500	59.44	106.4
3000	39.43	131.2
6000	23.01	88.63



## 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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