

# Low Pass Filter

WGLL-00630

50Ω

DC to 630 MHz

Ver. A

2019.07.07

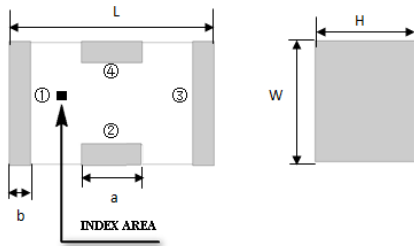
## Maximum Rating

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

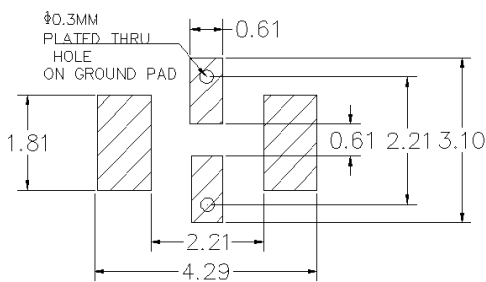
## Outline Drawing



## 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

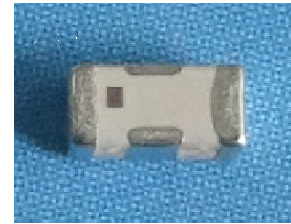
TOLERANCE TO BE WITHIN ±0.05mm

## 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

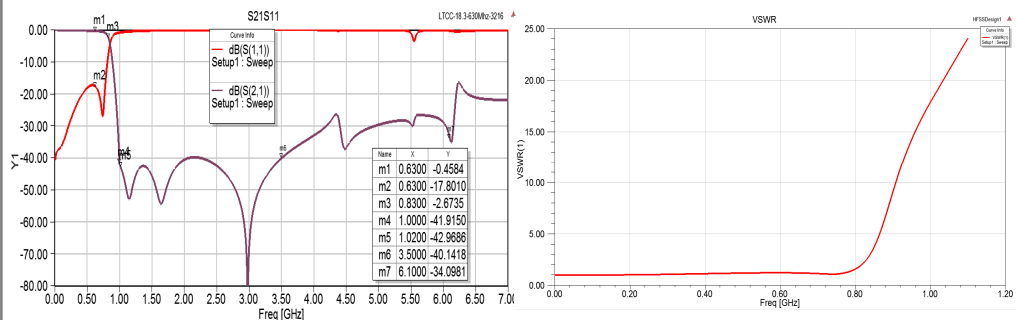
## Electrical Specifications<sup>(1)</sup> at 25°C

Parameter	Frequency (MHz)	MIN	Typ.	MAX	Unit	
Pass Band	Insertion Loss	DC-630	-	0.8	1.2	dB
	Freq. Cut-off	830	-	3.0	-	dB
	VSWR	DC-630	-	1.2	1.5	:1
Stop Band	Rejection Loss	970	20	30	-	dB
		1050-3500	30	40	-	dB
		6000	15	25	-	dB

(1) Tested on Demo Board.

## Typical Performance at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50	0.11	1.02
100	0.13	1.03
630	0.49	1.23
830	3.15	2.51
900	13.03	9.07
970	30.98	15.83
1000	44.64	17.89
1050	37.48	21.00
1500	45.55	47.85
2000	44.17	77.43
2500	45.72	105.0
3000	52.24	129.1
3500	38.15	145.4
5000	30.25	115.5
6000	28.25	86.44



## 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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