

Low Pass Filter

WGLL-00400

50Ω

DC to 400 MHz

Ver. A
2018.9.28

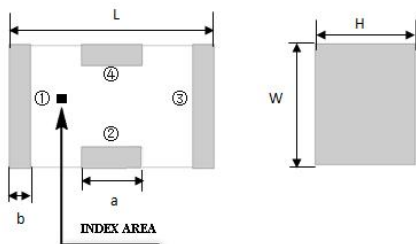
Maximum Rating

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

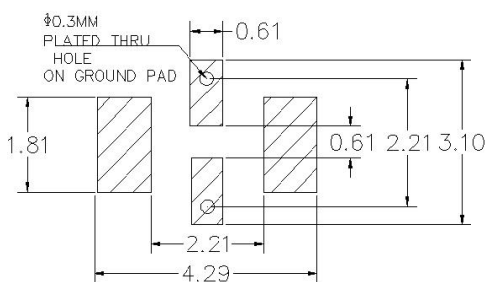
Outline Drawing



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

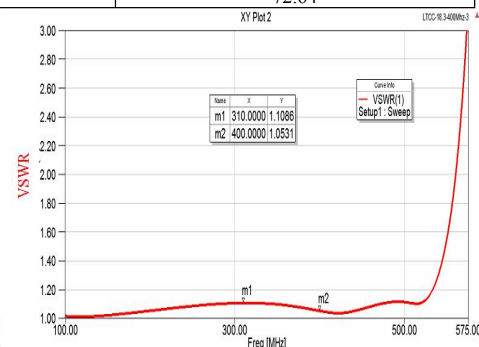
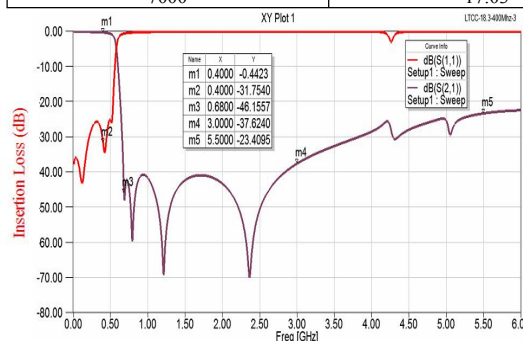
Electrical Specifications⁽¹⁾ at 25°C

Parameter	Frequency (MHz)	MIN	Typ.	MAX	Unit	
Pass Band	Insertion Loss	DC-400	-	1.0	1.2	dB
	Freq. Cut-off	560	-	3.0	-	dB
	VSWR	DC-400	-	1.2	1.5	:1
Stop Band	Rejection Loss	660	20	30	-	dB
		680-3000	20	30	-	dB
		5500	15	25	-	dB

(1) Test on our Demo Board.

Typical Performance at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1	0.06	1.03
100	0.25	1.05
400	0.44	1.2
560	0.66	2.0
680	46.15	23.1
700	44	26.14
1000	41.7	58.2
2000	43.4	134.5
2500	50.57	157
3000	37.6	168
4000	28.55	109
5000	25.57	129.8
5500	23.4	96.75
6000	22.53	82.09
7000	17.03	72.64



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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