

Low Pass Filter

WGLL-00575

50Ω

DC to 575 MHz

Ver. A

2019.07.07

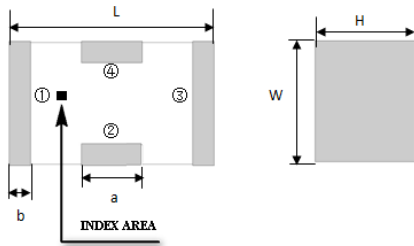
Maximum Rating

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

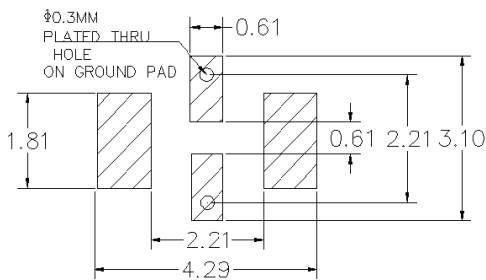
Outline Drawing



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

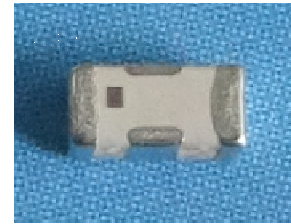
TOLERANCE TO BE WITHIN ±0.05mm

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

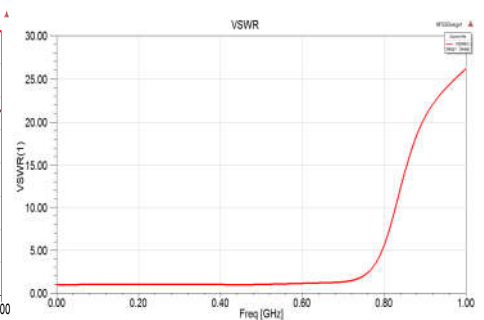
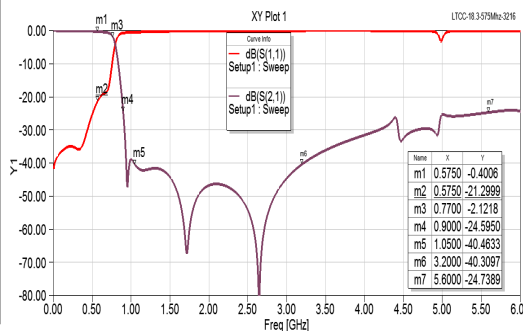
Electrical Specifications⁽¹⁾ at 25°C

Parameter	Frequency (MHz)	MIN	Typ.	MAX	Unit	
Pass Band	Insertion Loss	DC-575	-	0.8	1.2	dB
	Freq. Cut-off	770	-	3.0	-	dB
	VSWR	DC-575	-	1.2	1.5	:1
Stop Band	Rejection Loss	900	20	25	-	dB
		1050-3200	30	40	-	dB
		5500	15	25	-	dB

(1) Tested on Demo Board.

Typical Performance at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50	0.11	1.03
100	0.13	1.04
575	0.45	1.14
770	3.05	2.89
900	28.4	20.63
1050	41.25	28.28
1200	45.60	34.12
1500	43.68	47.57
1800	71.54	63.24
2200	53.51	85.03
2500	66.91	101.25
3200	38.22	133.9
4000	30.76	144.2
4500	29.96	118.1
5500	24.56	107.98



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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