

Low Pass Filter

WGLL-01700

50Ω

DC to 1700 MHz

Ver. A
2018.5.20

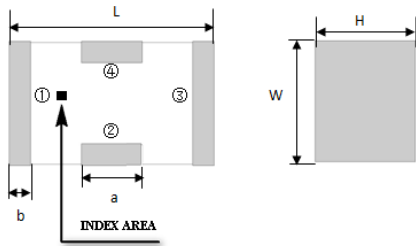
Maximum Rating

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

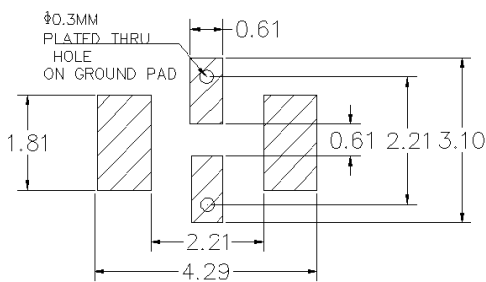
Outline Drawing



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

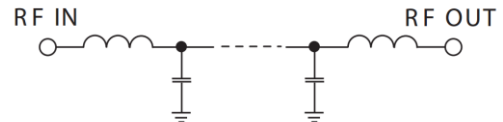
- High Performance
- Small Size
- Wide Band
- Ultra Low I.L.
- Temperature Stable
- LTCC Structure

Application

- Harmonic Rejection
- Transmitters/Receivers
- Lab Use



RoHS Compliant



Functional Schematic

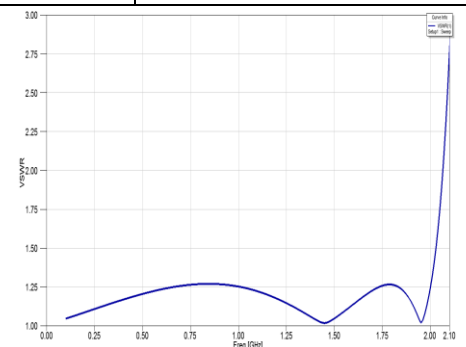
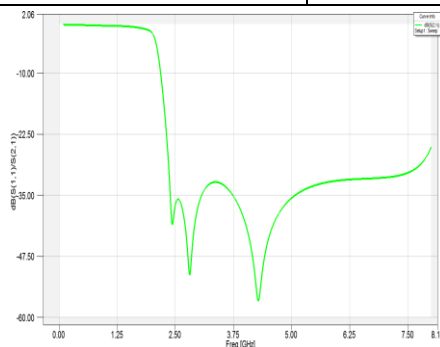
Electrical Specifications⁽¹⁾ at 25°C

Parameter		Frequency (MHz)	MIN	Typ.	MAX	Unit
Pass Band	Insertion Loss	DC-1700	-	0.8	1.0	dB
	Freq. Cut-off	1750	-	3.0	-	dB
	VSWR	DC-1700	-	1.2	1.5	:1
Stop Band	Rejection Loss	2500	20	30	-	dB
		3000-6500	20	30	-	dB
		7000	15	25	-	dB

(1) Test on our Demo Board.

Typical Performance at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
100	0.14	1.03
500	0.22	1.2
1000	0.35	1.25
1700	0.74	1.23
2000	1.8	1.24
2500	37.03	17.78
3000	36.96	20.56
3500	32.68	23.73
4000	40.53	31.26
4500	44.05	42.28
5000	35.58	54.63
5500	32.98	64.36
6000	31.99	73.28
6500	31.64	78.17
7000	31.39	81.47



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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