

# Low Pass Filter

## WGLL-02000

50Ω

DC to 2000 MHz

Ver. A  
2020.11.8

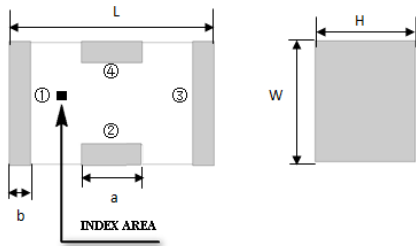
### Maximum Rating

Operating Temperature	-55°C~+100°C
Storage Temperature	-55°C~+100°C
RF Input Power	10W max at 25°C

### Pin Connections

RF Input	1
RF Output	3
Ground	2,4

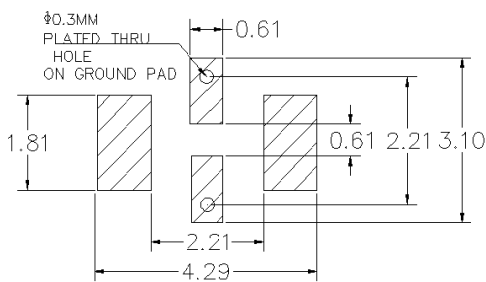
### Outline Drawing



### 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

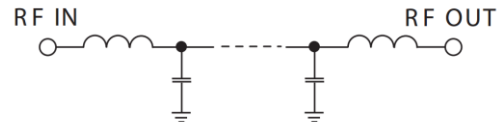
- High Performance
- Small Size
- Wide Band
- Ultra Low I.L.
- Temperature Stable
- LTCC Structure

### Application

- Harmonic Rejection
- Transmitters/Receivers
- Lab Use



RoHS Compliant



Functional Schematic

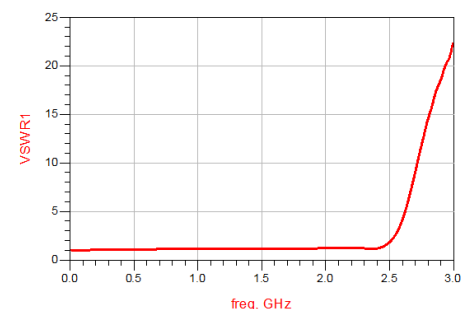
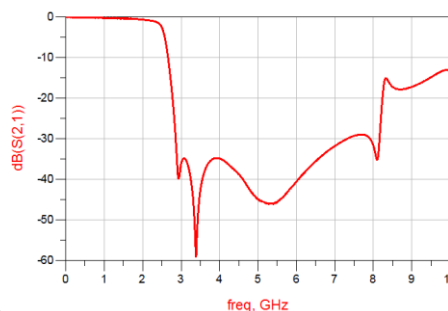
### Electrical Specifications<sup>(1)</sup> at 25°C

Parameter		Frequency (MHz)	MIN	Typ.	MAX	Unit
Pass Band	Insertion Loss	DC-2000	-	0.9	1.3	dB
	Freq. Cut-off	2275	-	3.0	-	dB
	VSWR	DC-2000	-	1.3	1.5	:1
Stop Band	Rejection Loss	3000	20	30	-	dB
		3100-3500	20	30	-	dB
		7500	15	20	-	dB

(1) Tested on Demo Board.

### Typical Performance at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
50	0.07	1.02
500	0.15	1.13
1000	0.24	1.18
1500	0.33	1.08
2000	0.67	1.26
2250	1.06	1.19
2575	9.64	6.76
2850	39.45	14.81
3800	39.49	27.72
4250	40.28	38.91
5000	45.21	55.43
6500	37.17	40.59
7200	34.53	36.95
8000	26.73	21.10
9000	14.79	12.18



### 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.



Well Genius Technology (Shanghai) LTD.