



MRFLF1575

50 Ohm Low-Pass Filter

Features

- High Reliability
- Small Surface Mountable Size
- Low insertion loss 1.0 dB
- LTCC built

Applications

- Harmonic Rejection
- VHF / UHF Transmitters
- Receivers
- GPN/GNSS
- Satellite L-Band
- Test & Measure

Specifications

Parameter	Specification			Units
	Min	Typ.	Max.	
Passband Frequency	0		1575	MHz
Insertion Loss 0 – 1575 MHz			1.0	dB
3dB Cutoff Frequency:		1850		MHz
VSWR 0 – 1575 MHz		1.8		
Rejection 2175 – 2400 MHz 2400 – 7000 MHz 7000 – 12000 MHz	20 40 30			dB
Nominal Impedance	50 Ω			

RoHS Compliant and Pb-Free Product



Absolute Max Ratings

Operating Temp	-55°C to 125°C
Storage Temp	-55°C to 125°C

Exceeding any one or a combination of the Absolute Maximum Rating conditions may cause permanent damage to the device. Extended applications of Absolute Maximum Rating conditions to the device may reduce device reliability. Specified typical performance or functional operation of the device under Absolute Maximum Rating conditions not applied.

RoHS Status based on EU Directive 2002/95/EC (at the time of this document revision)

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Welding Recommendations

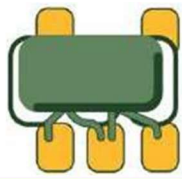
Preheat	150°C, 1 minute
Tip Temperature	350°C max
Output Power	80w max
Soldering iron tip size	φ3mm max
Welding Time	3 seconds max

During preheating, the temperature difference between the product surface temperature and the solder temperature must not exceed 150°C. After soldering, during cooling, the temperature difference between the product surface temperature and the solvent temperature must not exceed 100°C. Insufficient preheating may cause surface cracks in the product, leading to a decline in product quality.



MiniRF Incorporated
46560 Fremont BLVD, STE 114
Fremont CA 94538

Tel: 408-228-3533
www.minirf.com



MiniRF

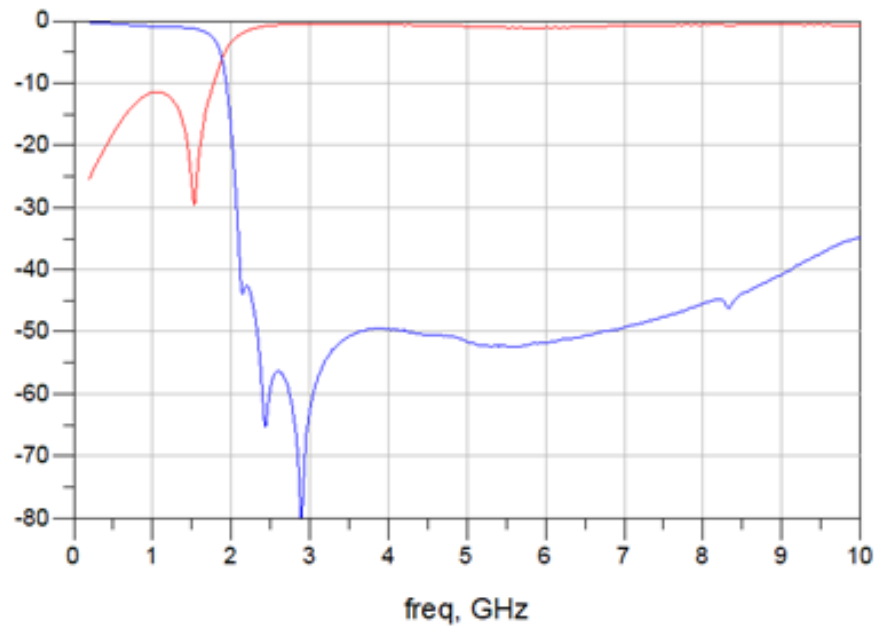
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Data



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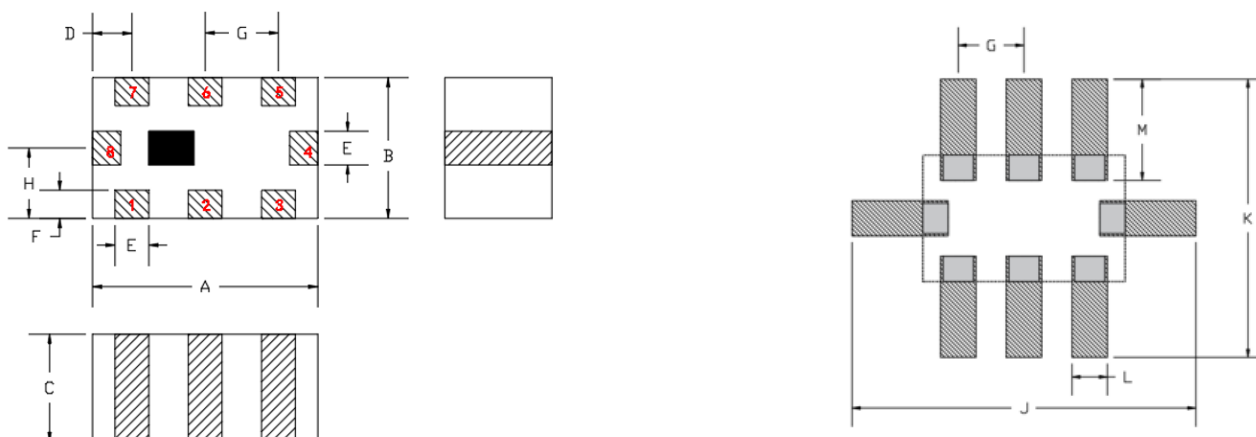
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Pin Out

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
Ground	Ground	Ground	Input/Output	Ground	Ground	Ground	Input/Output

Pad Dimensions

Dimensions in mm
Tolerance: $\pm 0.1\text{mm}$



A	B	C	D	E	F	G	H	J	K	L	M
2.0	1.25	0.95	0.35	0.3	0.3	0.65	0.63	3.4	2.8	0.35	1.0

Reflow Soldering Temp Profile

