



MRFLF0840

50 Ohm Low-Pass Filter

RoHS Compliant and Pb-Free Product



Features

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

Applications

- Harmonic Rejection
- VHF / UHF Transmitters
- Receivers

Specifications

Parameter	Specification			Units
	Min	Typ.	Max.	
Passband Frequency	0		840	MHz
Insertion Loss 0 – 840 MHz			2.0	dB
3dB Cutoff Frequency:		900		MHz
VSWR 0 – 840 MHz		1.5		
Rejection 1150 – 1400 MHz	20			dB
1400 – 4500 MHz	30			
4500 – 10000 MHz	20			
Nominal Impedance	50 Ω			

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	ϕ 3mm max
Welding Time	3 seconds max

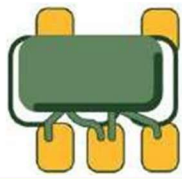
During preheating, the temperature difference between the product surface temperature and the solder temperature must not exceed 150°C. After soldering, during cooling, the temperature difference between the product surface temperature and the solvent temperature must not exceed 100°C. Insufficient preheating 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



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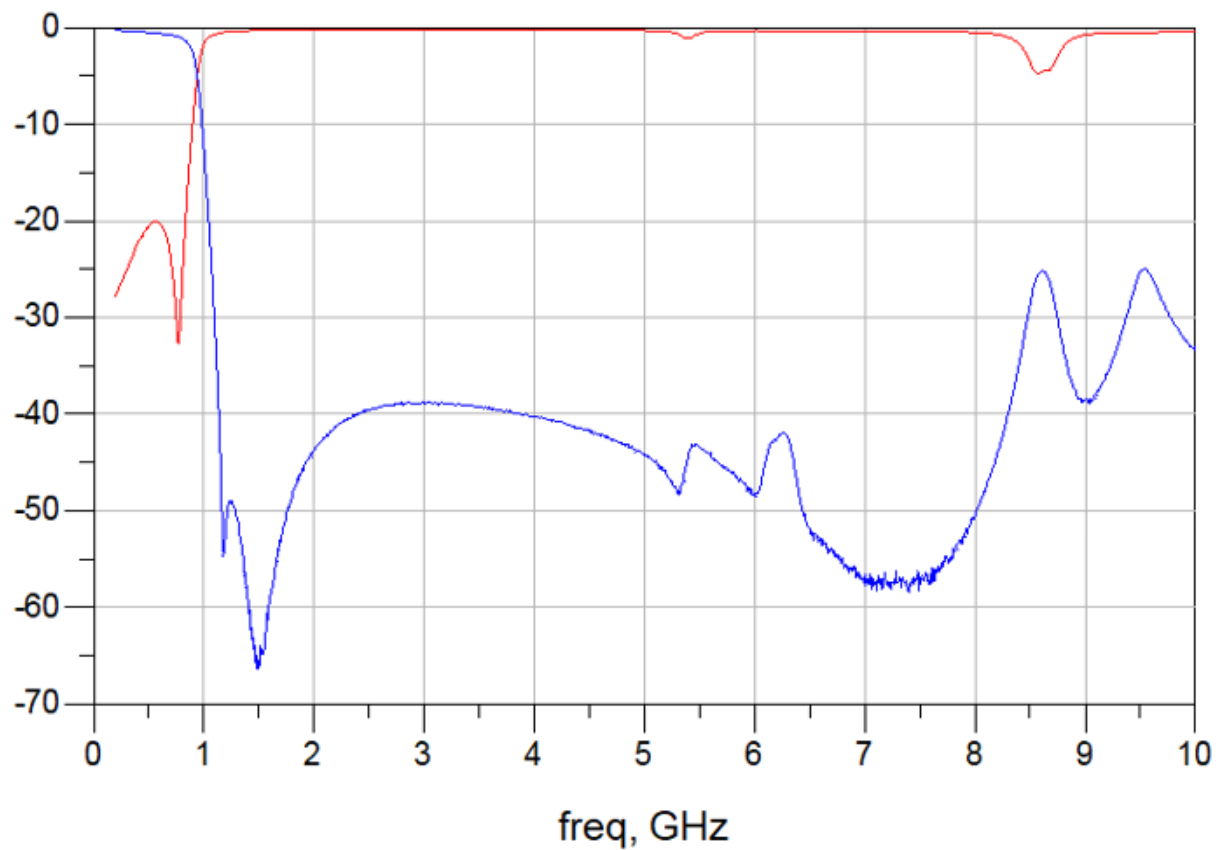
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Data



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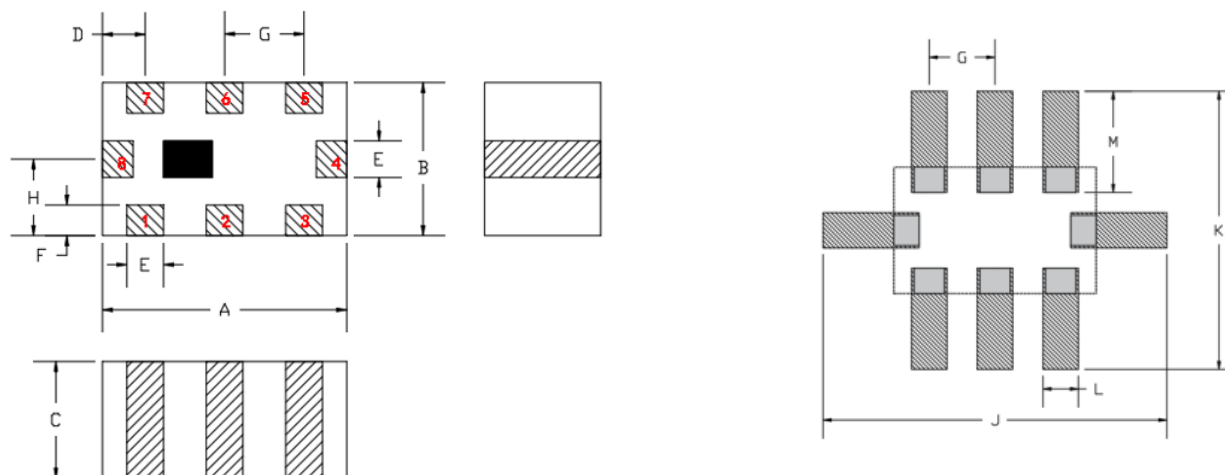
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Pin Out

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

