



MRFLF1200

50 Ohm Low-Pass Filter

Features

- High Reliability
- Small Surface Mountable Size
- Low insertion loss 1.2 dB
- LTCC built

Applications

- Harmonic Rejection
- VHF / UHF Transmitters
- Broadband Wireless Applications
- CATV CPE/Modem
- LTE/5G Infra
- Satellite L-Band
- Test & Measure

Specifications

Parameter	Specification			Units
	Min	Typ.	Max.	
Passband Frequency	0		1200	MHz
Insertion Loss 0 – 1200 MHz			1.0	dB
3dB Cutoff Frequency:		1470		MHz
VSWR 0 – 1575 MHz		1.5		
Rejection 1865 – 2000 MHz	20			dB
2000 – 3700 MHz	40			
3700 – 7000 MHz	28			
7000 – 1000 MHz	20			
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)

The information in this publication is believed to be accurate and reliable. However, no responsibilities are assumed by MiniRF Inc. for its use, nor for any infringements of patents, or other rights of third parties, resulting from its use. No license is granted by implication or otherwise under any patent or patent rights of MiniRF Inc.

Welding Recommendations

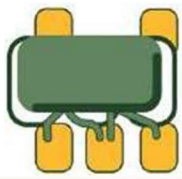
Preheat	150°C, 1 minute
Tip Temperature	350°C max
Output Power	80w max
Soldering iron tip size	ϕ 3mm max
Welding Time	3 seconds max

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



MiniRF

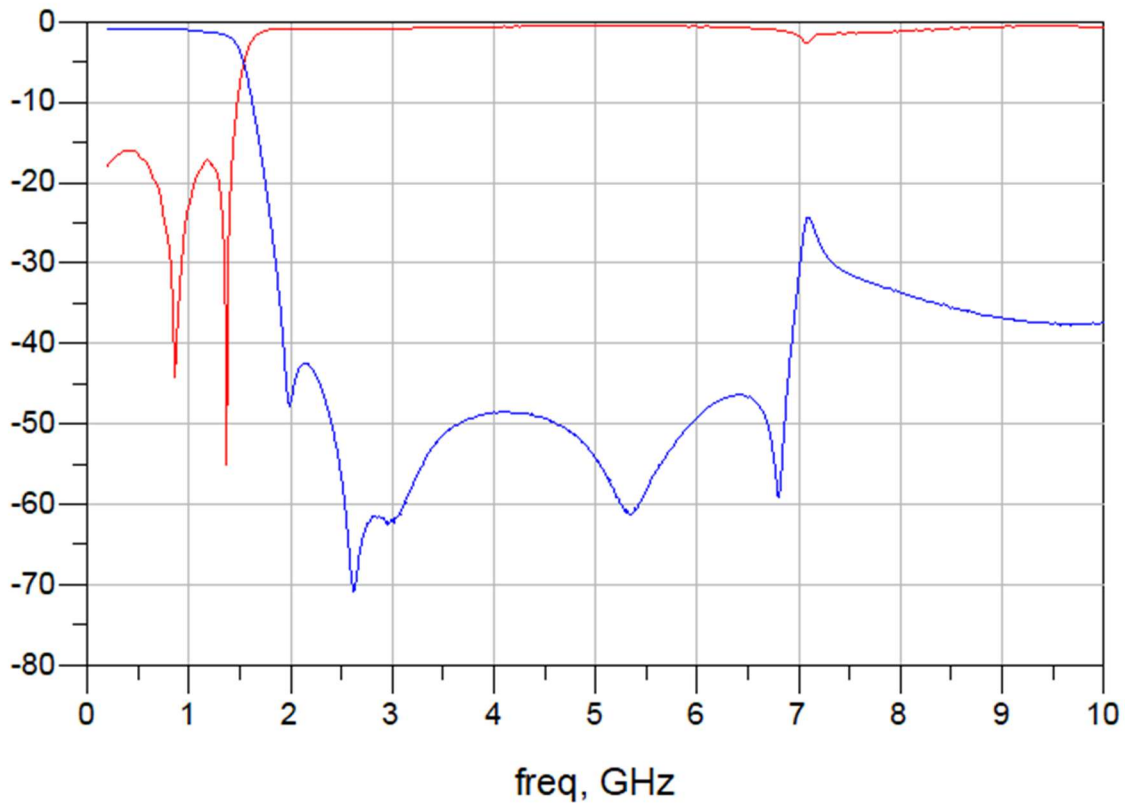
MRFLF1200

50 Ohm Low-Pass Filter



RoHS Compliant and Pb-Free Product

Data



MiniRF

MiniRF Incorporated

46560 Fremont BLVD, STE 114
Fremont CA 94538

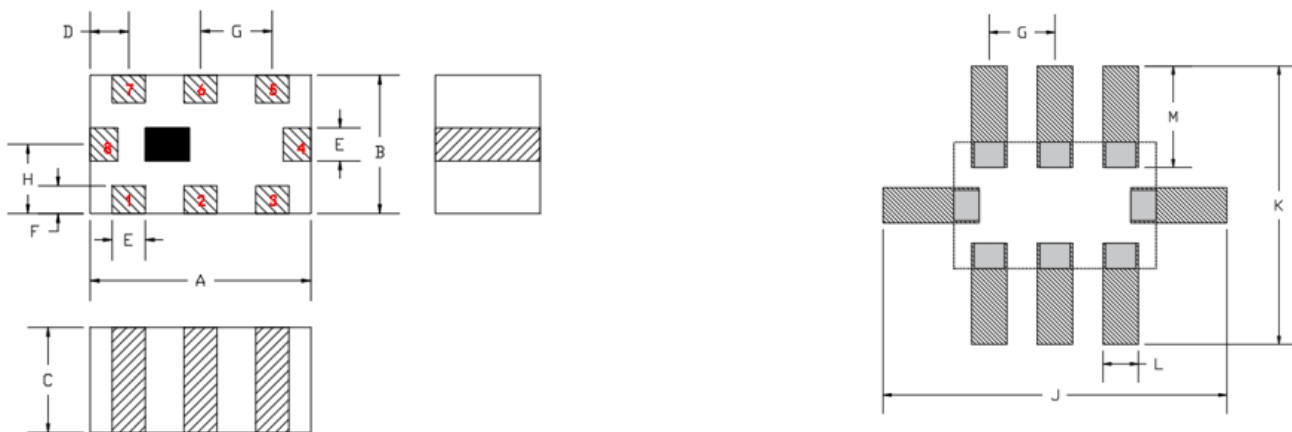
Tel: 408-228-3533
www.minirf.com

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

