

Product Brief

RLFO200A - PRELIMINARY <2.0GHz "Rooftop" Lowpass Filter

Features

- Superior power handling and reliability
- Provides rejection over 2.4-6.0GHz for use with CMB, CMD, USD, USB, and UMD.
- Directly solders to PCB

Applications

• Wireless Infrastructure applications

Description

With low IL, provides additional attenuations to assure compatibility with high-frequency bands.

Electrical Specifications

Frequency (MHz)	Typical at 25°C	Spec. at 25°C	Spec. over -40°C to +85°C
-	50 ohms	-	-
-	-	-	6 Watt max
-	-	-	60 Watt max
	Frequency (MHz) - - -	Frequency (MHz) I ypical at 25°C - 50 ohms - - - - - -	Frequency Typical Spec. (MHz) at 25°C at 25°C - 50 ohms - - - - - - -

Input-Output Response

1850-2000	0.4 dB <mark>(est)</mark>
1850-2000	16 dB min
2550-2620	25 dB min
2620-6000	45 dB min
6000-12,750	10 dB min
	1850-2000 1850-2000 2550-2620 2620-6000 6000-12,750

Note: CTS tests each unit to the critical specifications above. Subsequent audits may deviate due to repeatability among different test systems which shall not exceed these allowances. Specification AllowanceInsertion Loss0.1 dBReturn Loss1.0 dBAttenuation1.0 dB

RoH

Connect

Part Dimensions: 14 × 9 × 8 mm • 5 g (estimate)

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Mechanical Drawing

Size: 14 mm (L) x 9 mm (W) x 8 mm (H) preliminary estimates Weight: 5g preliminary estimates

PCB Layout



Packaging and Marking

Electrical Response

Preliminary simulation

2016-11-14 Rev. A

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