

### **Product Brief**



Part Dimensions: 14 × 9 × 8 mm • <2 g EST



# **RLF0100A**

## <960MHz "Rooftop" Lowpass Filter

#### **Features**

- Superior power handling and reliability.
- Provides rejection over 1.45-5.95GHz for use with USD/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**

Parameter	Frequency (MHz)	Typical at 25°C	Spec. at 25°C	Spec. over -40°C to +85°C
Nominal Impedance	-	50 ohms	-	-
Average Input Power	-	-	-	20 Watt max
Peak Input Power	-	-	-	200 Watt max
Input-Output Response Passband Insertion Loss	617 - 960			0.4 dB max
Passband Return Loss	617 - 960			16 dB min
Attenuation:	1450 - 1709			15 dB min
	1710 - 1785			38 dB min
	1786 - 4600			45 dB min
	4601 - 5950			35 dB min

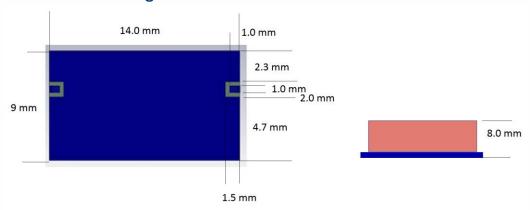
Note: CTS tests each unit to the critical specifications above. Subsequent audits may deviate due to repeatability among different test systems which shall not exceed these allowances.

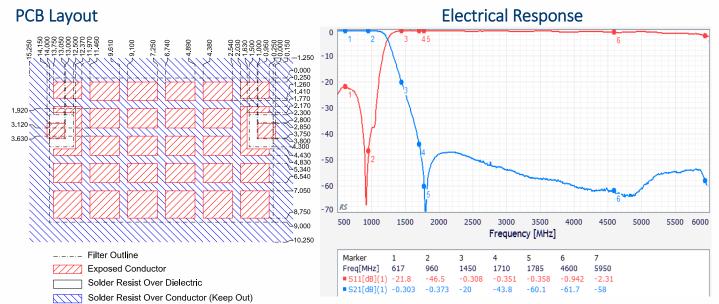
Specification A	llowance
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Attenuation	1.0 dB

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#### **Mechanical Drawing**





### Packaging and Marking

Dimension	Units	Spec.
Reel Diameter	mm	330
Reel Weight	kg	5.5
Reel Quantity	ea.	500

#### **Product Marking**

CTS 100 YWW

