

# RLF0380A

## <3.8GHz “Rooftop” Lowpass Filter

### Features

- Superior power handling and reliability
- Provides rejection over 5.15-7.6GHz for use with USB/USD/MMB/CMB/CMD.
- Directly solders to PCB

### Applications

- Wireless Infrastructure applications



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

### 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

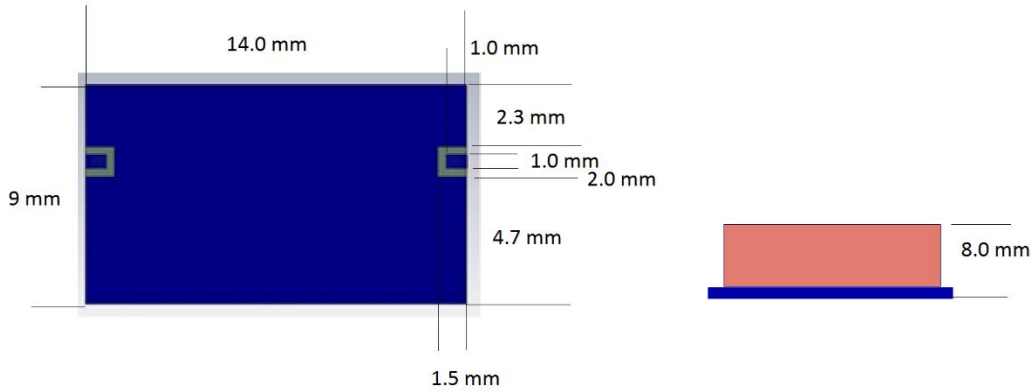
### Input-Output Response

Passband Insertion Loss	2700-3800	0.4 dB	0.45 dB max	0.5 dB max
Passband Return Loss	2700-3800	18 dB	16 dB min	16 dB min
Attenuation:	5150-7600	42 dB	40 dB min	40 dB min
	7600-12750	15 dB	10 dB min	10 dB min

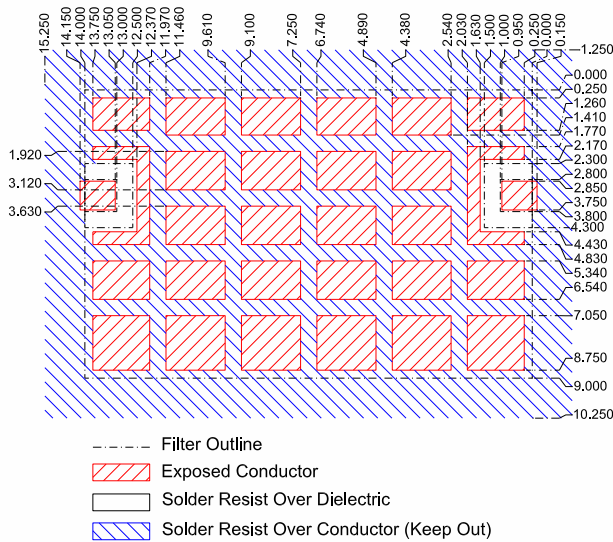
Note: CTS tests each unit to the critical specifications above. Subsequent audits may deviate due to repeatability among different test systems which shall not exceed these allowances.

Specification Allowance	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Attenuation	1.0 dB

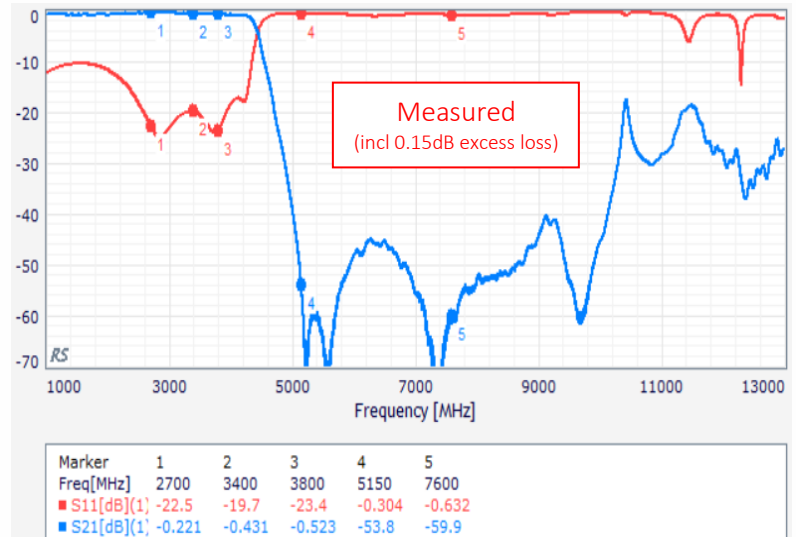
### Mechanical Drawing



### PCB Layout



### Electrical Response



### Packaging and Marking

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

#### Product Marking

CTS  
380  
YWW

