

## General Description

KR Electronics part number 3179-SMA is a 175 MHz bandpass filter. The filter has a 3 dB bandwidth of 35 MHz. Other center frequencies and bandwidths are available. Please consult the factory.

### Features

- 175 MHz Bandpass Filter
- 35 MHz 3 dB Bandwidth
- Highly Selective Elliptic Design
- 50  $\Omega$  Source and Load
- SMA Connectors
- Surface mount available

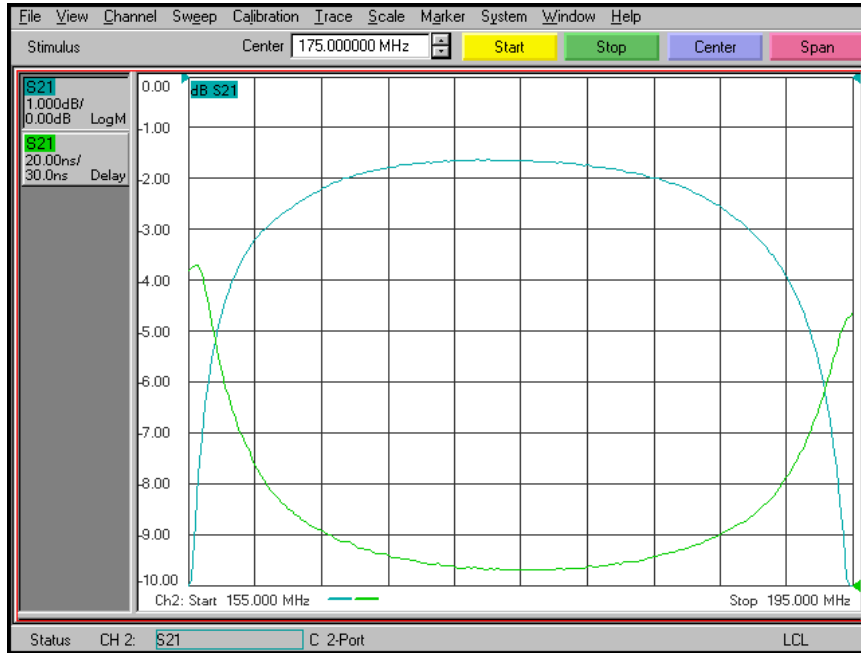
## Typical Performance

### Overall Response (10 dB/div)

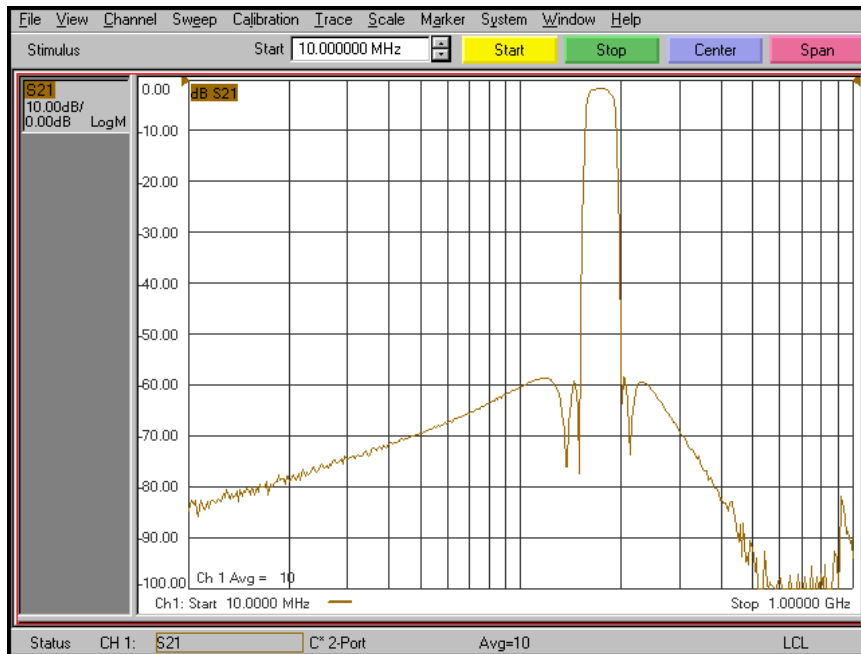


Typical Performance

**Passband Amplitude & Group Delay**  
(1 dB/div & 20 nsec/div)



**Overall Response**  
(10 dB/div)



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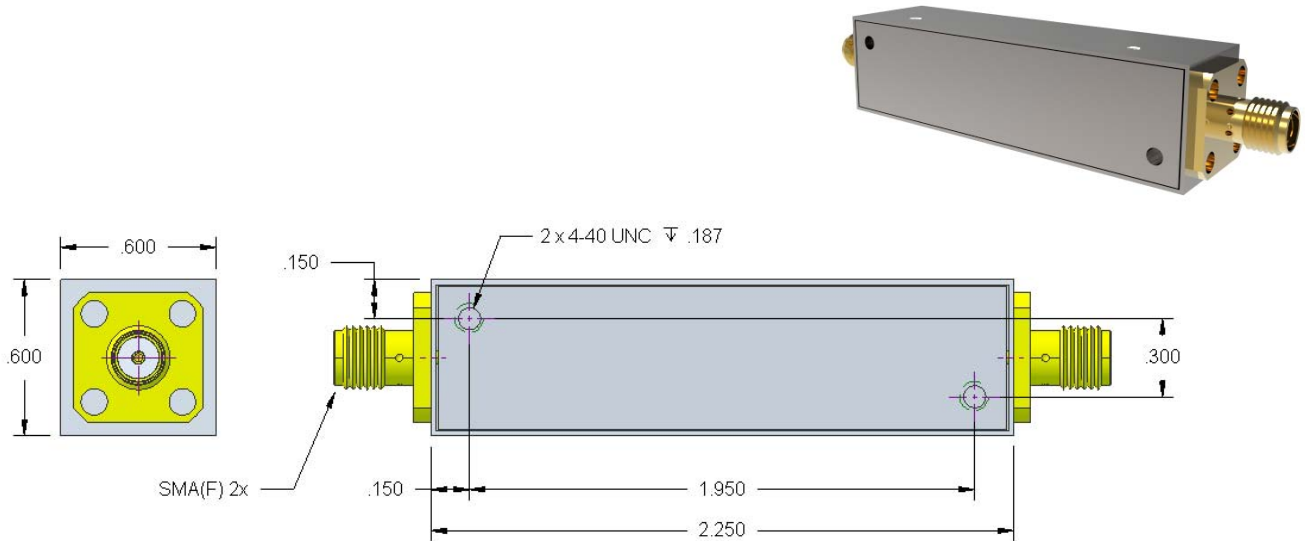
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# KR Electronics 3179-SMA

## Specifications

Parameter	Specification	Notes
Filter type	Bandpass	
Center Frequency Fc	175 MHz	
Insertion Loss at Fc	2.6 dBa max	1.6 dBa typical
1 dBc Bandwidth	26 MHz typical	
3 dBc Bandwidth	35 MHz ±0.5 MHz	
40 dBc Bandwidth	46 MHz typical	
Attenuation at 150 MHz	50 dBc min	
Attenuation at 200 MHz	50 dBc min	
Source and Load	50 Ω	

## Physical Dimensions



**Notes:**

1. Dimensions in inches
2. Rectangular case
3. Also available in surface mount package 1.5" x 0.5" x 0.3"

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