

## General Description

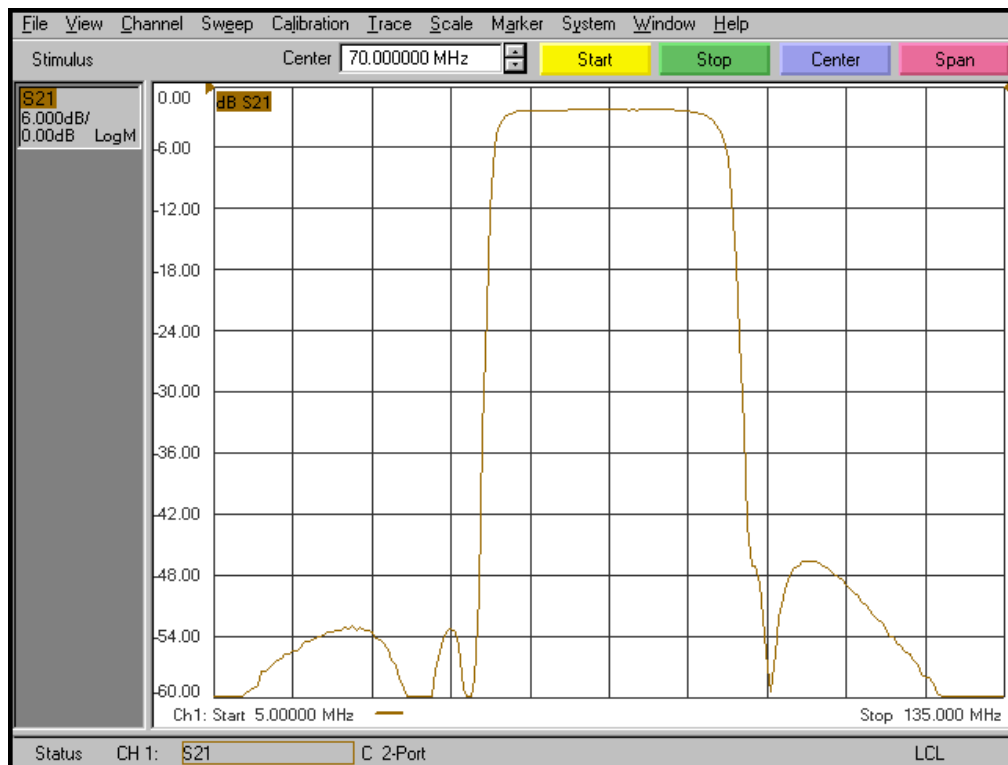
KR Electronics part number 3157-1 is a 70 MHz band-pass filter. The filter has a min 0.5 dB bandwidth of 30 MHz. The filter is amplitude equalized for flat passband response. Stopband attenuation of 45 dB is maintained to 5 GHz. Elliptic type response for quick transition to the stopband. Other frequencies are available. Please consult the factory.

## Features

- 70 MHz Bandpass Filter
- 30 MHz min 0.5 dB Bandwidth
- 44 MHz typical 40 dB Bandwidth
- Stopband maintained to 5 GHz
- Elliptic Type Response
- 50  $\Omega$  Source and Load
- SMA Connectors

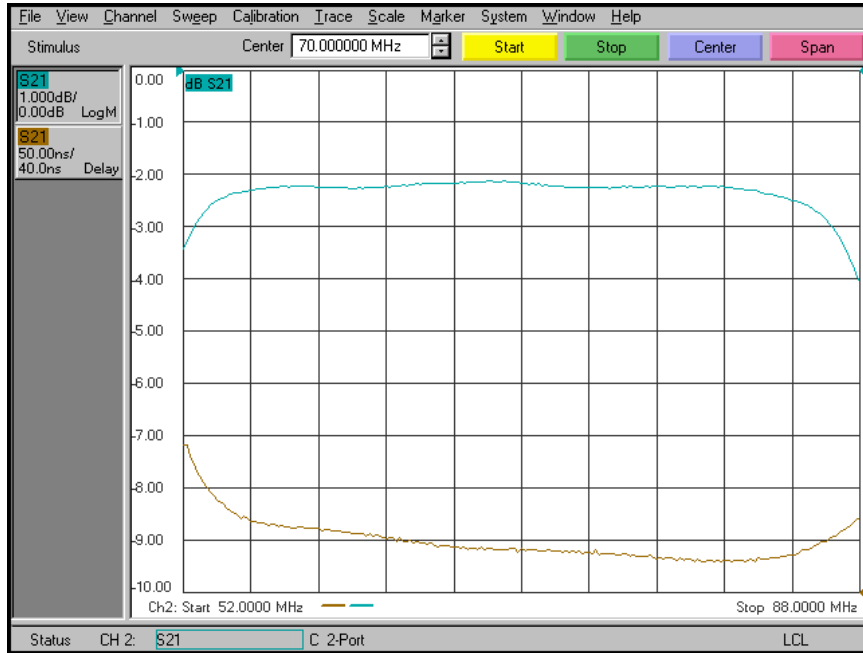
## Typical Performance

### Overall Response (6 dB/div)

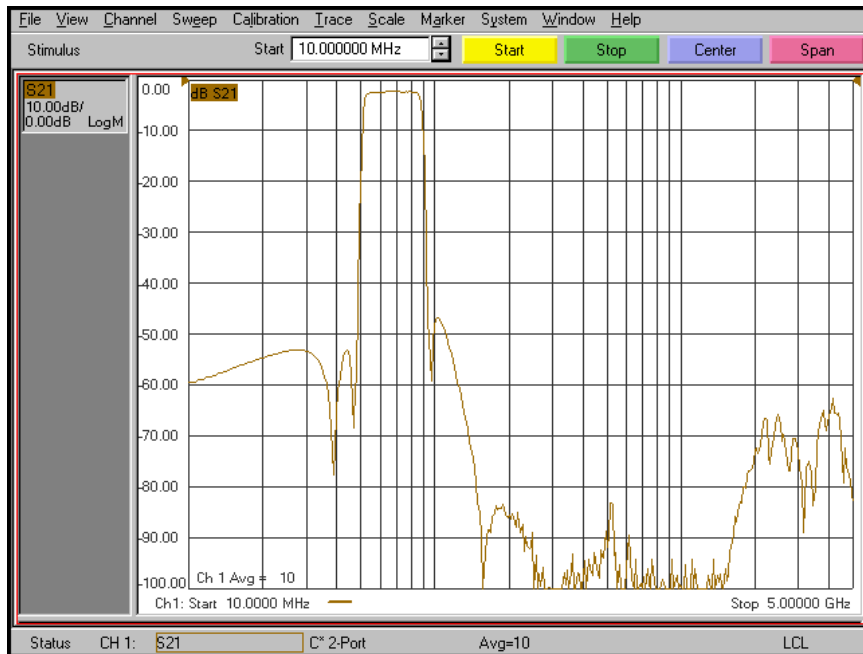


Typical Performance

Passband Amplitude & Group Delay  
(1 dB/div & 50 nsec/div)



Overall Response  
(10 dB/div)



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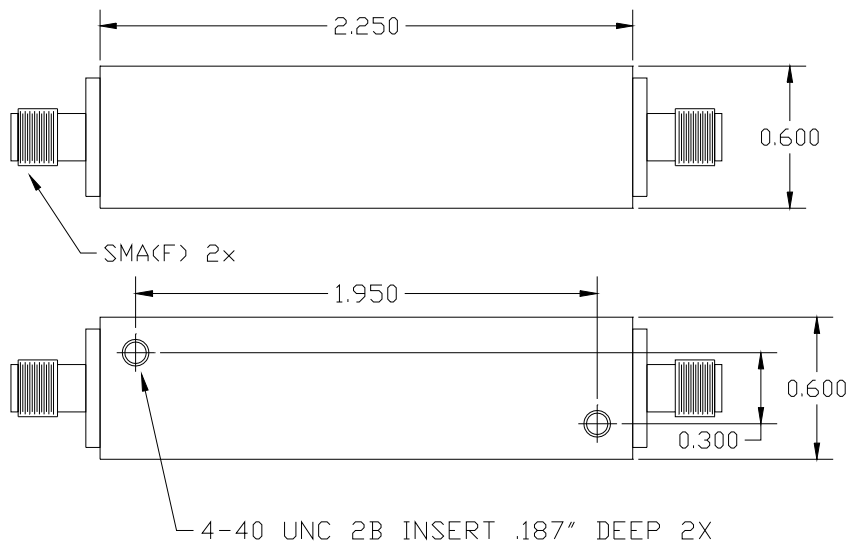
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# KR Electronics 3157-1

## Specifications

Parameter	Specification	Notes
Filter type	Bandpass	
Center Frequency (Fc)	70 MHz	
Insertion Loss (at Fc)	2.8 dBa max	2 dBa typical
0.5 dBc Bandwidth	30 MHz min	31.6 MHz typical
1 dBc Bandwidth	34 MHz typical	
3 dBc Bandwidth	37 MHz typical	
40 dBc Bandwidth	44 MHz typical	
Rejection at 48 MHz	45 dBc min	
Rejection at 93 MHz	35 dBc min	
Rejection to 5 GHz	45 dBc min	>50 dBc typical
Source and Load	50 $\Omega$	

## Physical Dimensions



### Notes:

1. Dimensions in inches
2. Rectangular case

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