

General Description

KR Electronics part number 3155-SMA is a 16 MHz bandpass filter. The filter has a min 3 dB bandwidth of 4 MHz. The filter is group delay equalized for linear phase in the passband. Elliptic type response for quick transition to the stopband. Other frequencies are available. Please consult the factory.

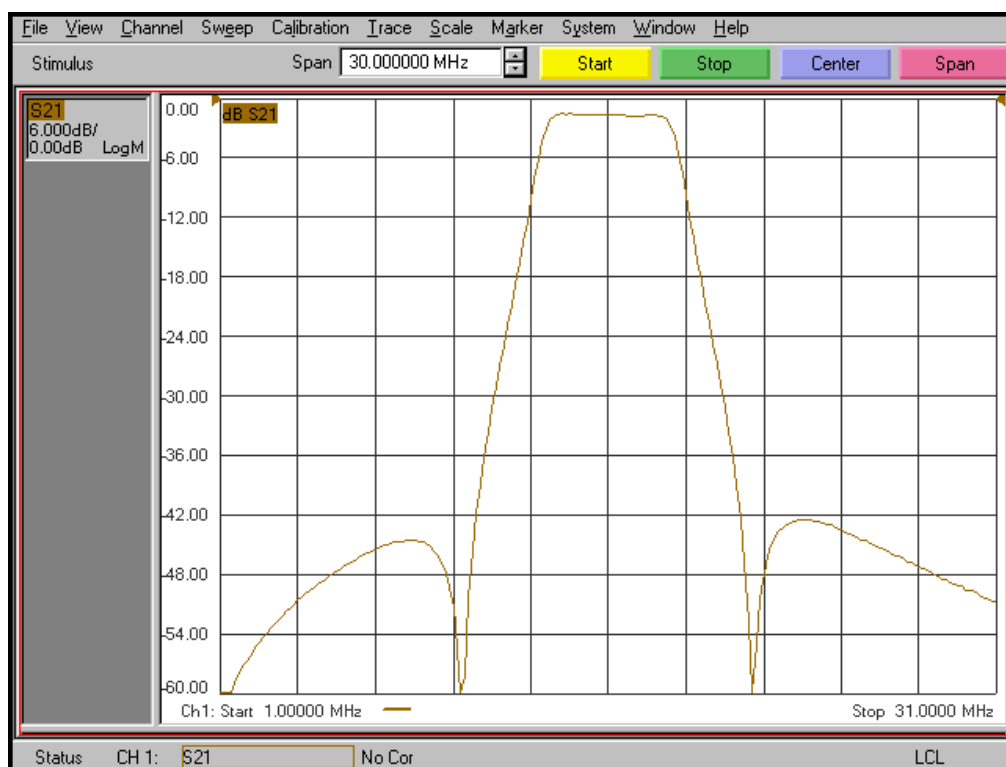
Features

- 16 MHz Bandpass Filter
- 4 MHz min 3 dB Bandwidth
- 8 MHz max 20 dB Bandwidth
- Linear Phase $\pm 2^\circ$ max
- Elliptic Type Response
- 50 Ω Source and Load
- SMA Connectors
- Surface Mount Also Available

Typical Performance

Overall Response

(6 dB/div)

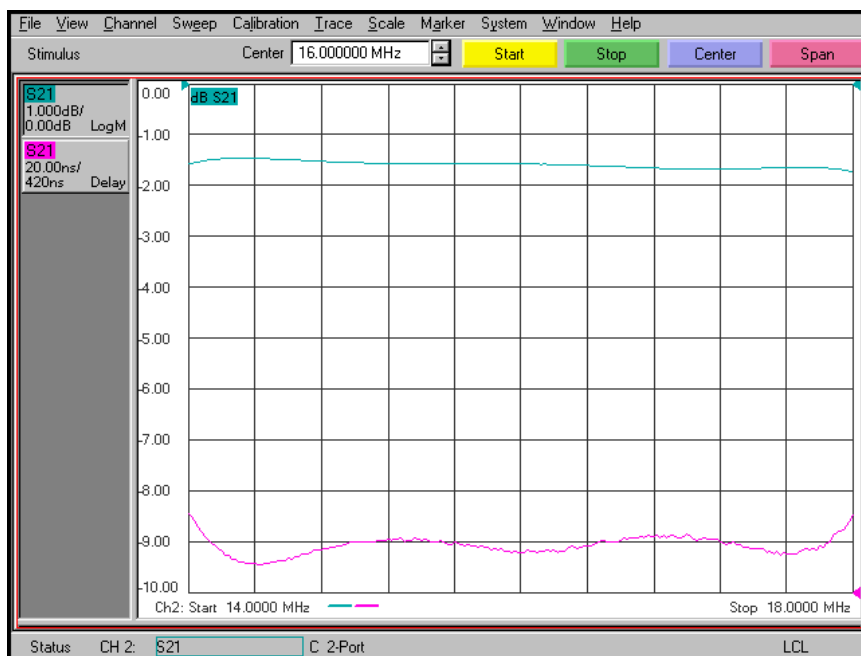


KR Electronics, Inc.
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Avenel, NJ 07001

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Typical Performance

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



Overall Response (10 dB/div)



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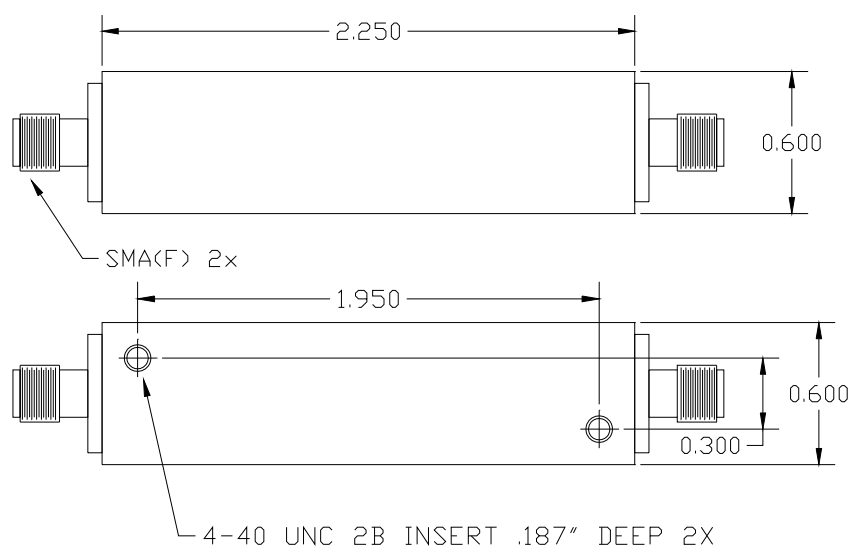
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Specifications

Parameter	Specification	Notes
Filter type	Bandpass	
Center Frequency (Fc)	16 MHz	
Insertion Loss (at Fc)	4 dBa max	< 2 dBa typical
3 dB Bandwidth	4 MHz min	5.1 MHz typical
20 dB Bandwidth	8 MHz max	7.6 MHz typical
40 dB Bandwidth	10 MHz typical	
Phase Linearity 14 MHz to 18 MHz	$\pm 2^\circ$ max	< $\pm 1^\circ$ typical
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" (see part number 3155)

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