KR Electronics, Inc.

General Description

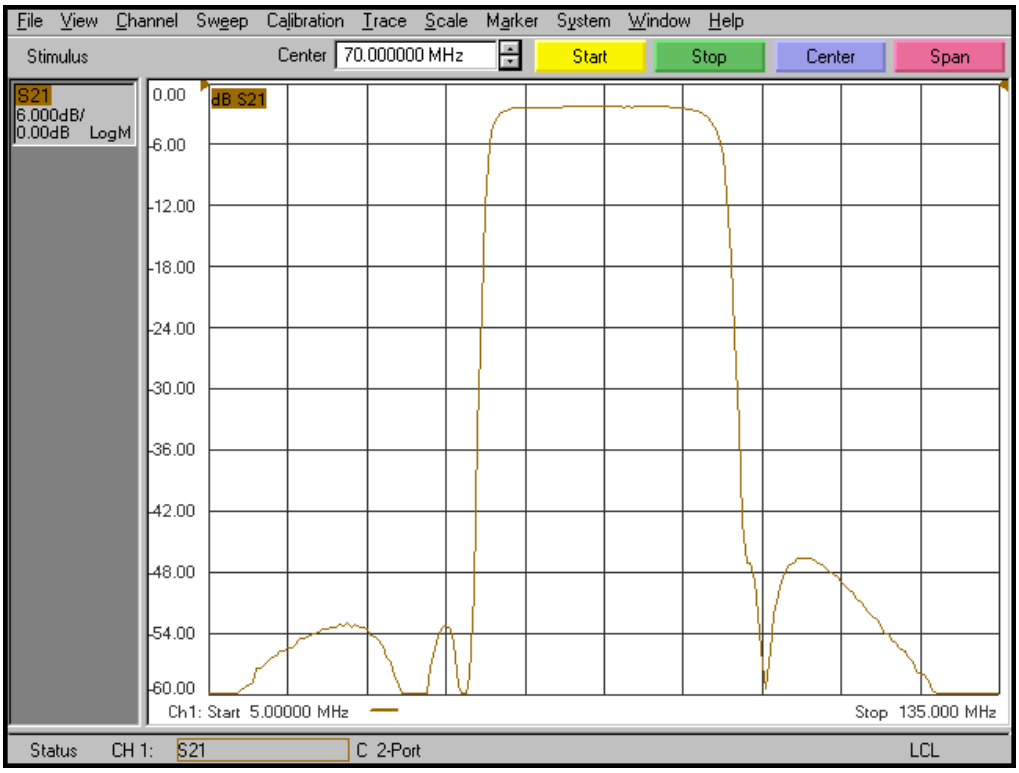
KR Electronics part number 3157-SMD is a 70 MHz bandpass filter. The filter has a min 0.5 dB bandwidth of 30 MHz. The filter is amplitude equalized for flat pass-band response. Elliptic type response for quick transition to the stopband. Other frequencies are available. Please consult the factory.

Features

- 70 MHz Bandpass Filter
- 30 MHz min 0.5 dB Bandwidth
- 44 MHz typical 40 dB Bandwidth
- Elliptic Type Response
- 50 Ω Source and Load
- Surface Mount
- Also available with SMA Connectors

Typical Performance

Overall Response
(6 dB/div)



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91 Avenel Street
Avenel, NJ 07001

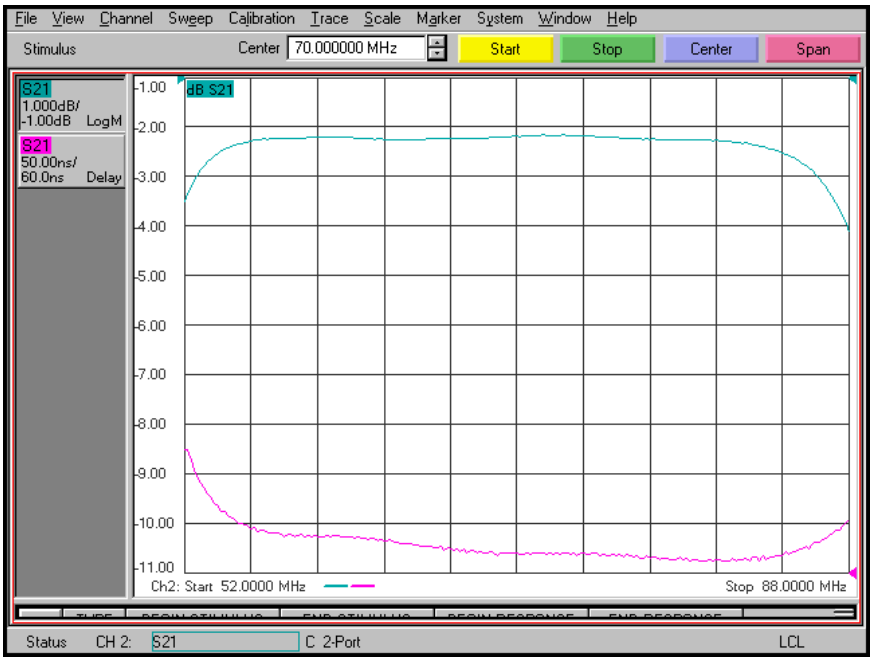
Web *www.krfilters.com*
Email *sales@krfilters.com*
Phone *(732) 636-1900*
Fax *(732) 636-1982*

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Typical Performance

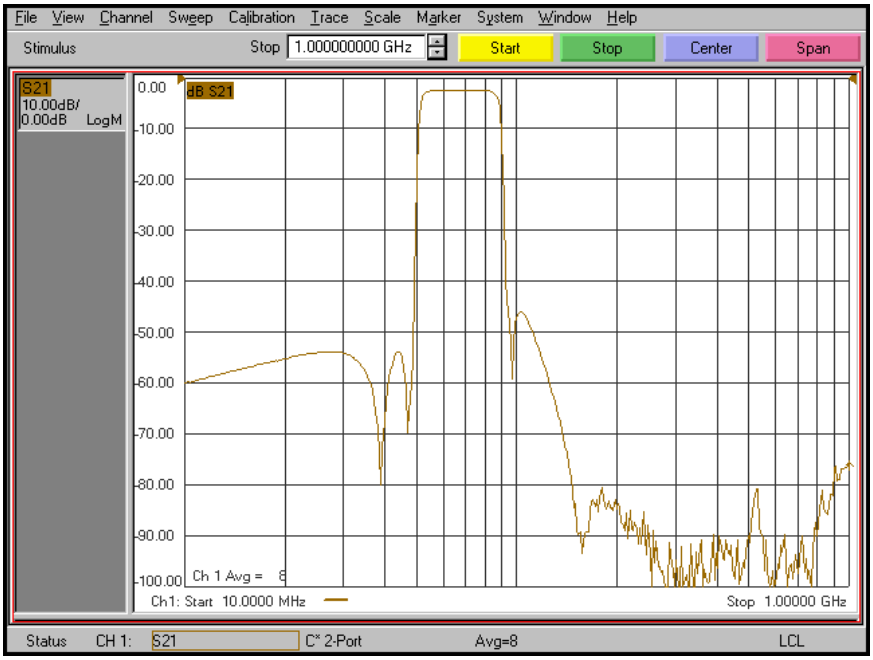
Passband Amplitude & Group Delay

(1 dB/div & 50 nsec/div)



Overall Response

(10 dB/div)



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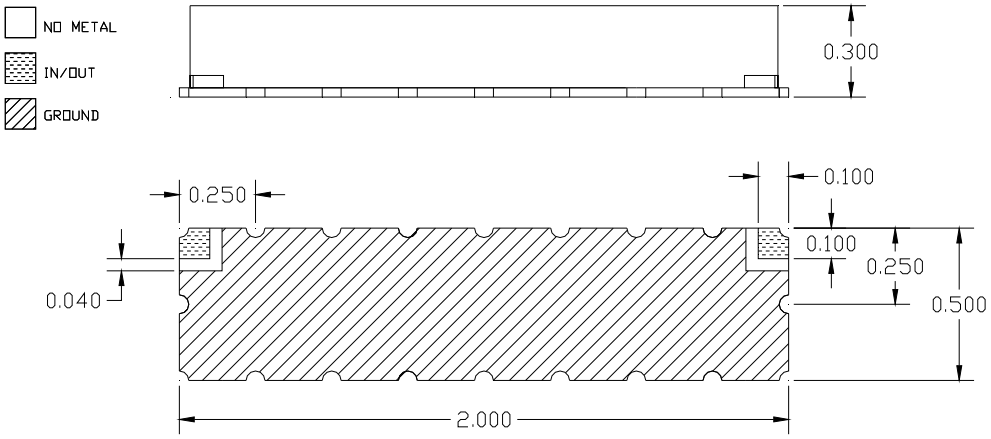
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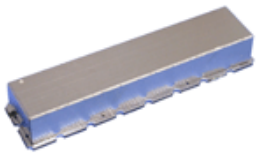
KR Electronics 3157-SMD

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	
Source and Load	50 Ω	

Ph





Notes:
1. Surface mount package — Metal cover open frame
2. Dimensions in inches
3. Maximum reflow temperature is 230° C for 10 sec maximum
4. If boards are cleaned after installation, units must be completely dried
5. Also available with SMA connectors. See part number 3157-1

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