KR Electronics, Inc.

General Description

KR Electronics part number 3190-70 is a 70 MHz linear phase bandpass filter. The filter has a 3 dB bandwidth of 5 MHz. Other frequencies are available. Please consult the factory.

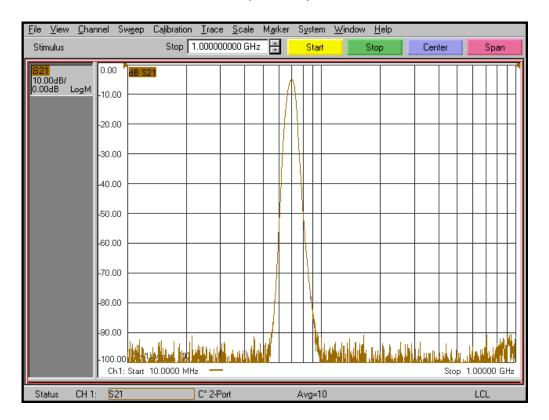
Features

- 70 MHz Bandpass Filter
- Linear Phase / Constant Group Delay
- 3 dB Bandwidth 5 MHz
- 50 Ω Source and Load
- Surface Mount Package
- SMA Connectors Also Available

Typical Performance

Overall Response

(10 dB/div)



KR Electronics, Inc. 91 Avenel Street Avenel, NJ 07001 Web Email s Phone Fax

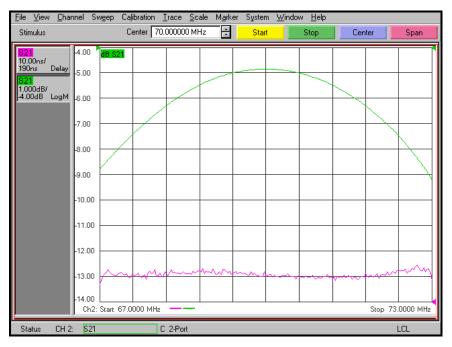
www.krfilters.com sales@krfilters.com (732) 636-1900 (732) 636-1982

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Typical Performance

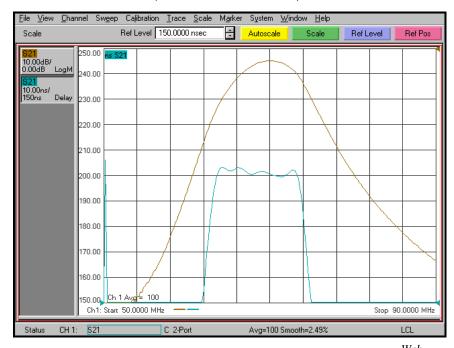
Passband Amplitude & Group Delay

(1 dB/div & 10 nsec/div)



Overall Response & Group Delay

(10 dB/div & 10 nsec/div)



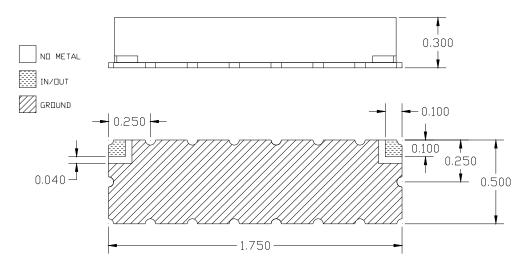
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KR Electronics 3190-70

Specifications

Parameter	Specification	Notes
Filter type	Bandpass	
Center Frequency (Fc)	70 MHz	
Insertion Loss (at Fc)	6 dBa max	5 dBa typical
3 dBc Bandwidth	5 MHz ± 0.5 MHz	
Deviation from Linear Phase	± 2.5° max	67.5 to 72.5 MHz
Group Delay Variation	± 5 nsec max	67.5 to 72.5 MHz
40 dBc Bandwidth	18 MHz typical	
60 dBc Bandwidth	25 MHz typical	
Source and Load	50 Ω	

Physical Dimensions



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.

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