KR Electronics, Inc.

www.krfilters.com

KR Electronics, Inc.

General Description

KR Electronics part number 3190-130 is a 130 MHz linear phase bandpass filter. The filter has a 3 dB bandwidth of 5 MHz. Other frequencies are available. Please consult the factory.

Features

- 130 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

<u>F</u>ile <u>V</u>iew <u>C</u>hannel Sw<u>e</u>ep Calibration <u>T</u>race <u>S</u>cale M<u>a</u>rker S<u>v</u>stem <u>W</u>indow <u>H</u>elp Stop 1.00000000 GHz 🗧 Stimulus Start Center Stop Span 0.00 dB S21 10.00dB/ 0.00dB LogM -10.00 20.00 -30.00 40.00 50.00 60.00 70.00 80.00 90.00 i Malti -100.00 Ch1: Start 10.0000 MHz Stop 1.00000 GHz Status CH 1: S21 C* 2-Port Avg=50 LCL

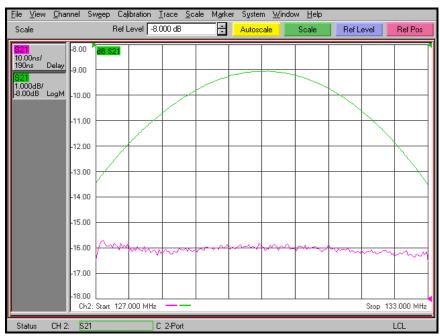
Overall Response (10 dB/div)

KR Electronics, Inc.Webwww.krfilters.com91 Avenel StreetEmailsales@krfilters.comAvenel, NJ 07001Fax(732) 636-1982

© 2015, KR Electronics, Inc. 3190-130, Rev 0, January 23, 2015

KR Electronics, Inc.

Typical Performance



Passband Amplitude & Group Delay

(1 dB/div & 10 nsec/div)

Overall Response (10 dB/div)



KR Electronics, Inc. 91 Avenel Street Avenel, NJ 07001

© 2015, KR Electronics, Inc. 3190-130, Rev 0, January 23, 2015 (732) 636-1900

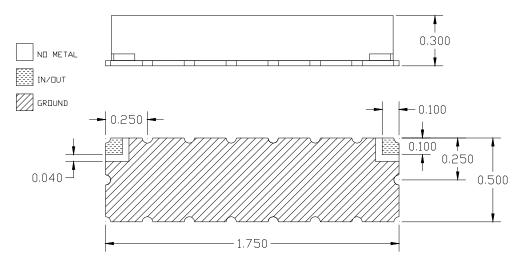
(732) 636-1982

KR Electronics 3190-130

Specifications

Parameter	Specification	Notes	
Filter type	Bandpass		
Center Frequency (Fc)	130 MHz		
Insertion Loss (at Fc)	10 dBa max	9 dBa typical	
3 dBc Bandwidth	5 MHz ± 0.5 MHz		
Deviation from Linear Phase	± 2.5° max	127.5 to 132.5 MHz	
Group Delay Variation	± 5 nsec max	127.5 to 132.5 MHz	
40 dBc Bandwidth	17 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.

KR Electronics, Inc. 91 Avenel Street Avenel, NJ 07001	Web Email Phone Fax	www.krfilters.com sales@krfilters.com (732) 636-1900 (732) 636-1982

© 2015, KR Electronics, Inc. 3190-130, Rev 0, January 23, 2015