KR Electronics, Inc.

www.krfilters.com

KR Electronics, Inc.

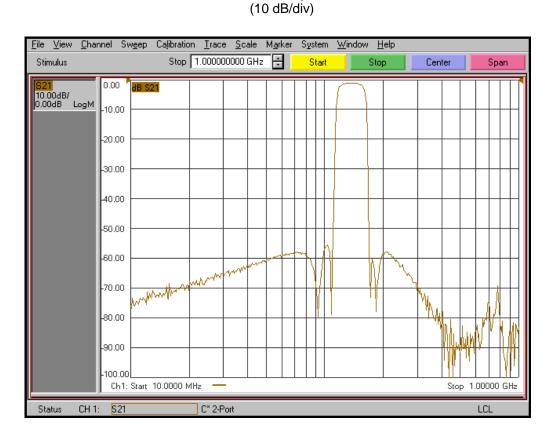
General Description

KR Electronics part number 3135-140-20 is a 140 MHz bandpass filter. The filter has a min 1 dB bandwidth of 20 MHz. Other frequencies are available. Please consult the factory.

Features

- 140 MHz Bandpass Filter
- 20 MHz min Bandwidth
- Sharp Elliptic Transition to Stopband
- 50 Ω Source and Load
- Surface Mount Package
- Also Available with SMA Connectors

Typical Performance



Overall Response

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

© 2014, KR Electronics, Inc. 3135-140-20, Rev 0, February 14, 2014

KR Electronics, Inc.

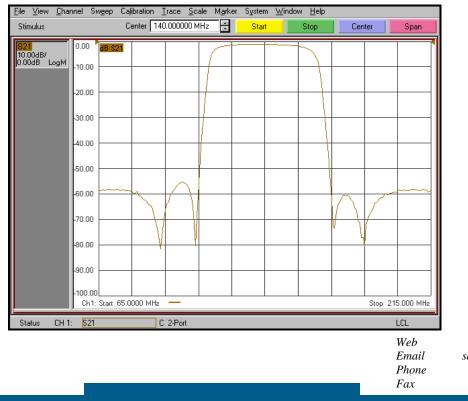
Typical Performance

<u>File View Channel Sweep Calibration Trace Scale Marker System Window Help</u> Center 140.000000 MHz ÷ Start Stimulus Stop Center Span dB S21 0.00 1.000dB/ 0.00dB LogM -1.00 <mark>821</mark> 5.000ns/ 23.0ns Delay 2.00 3.00 4.00 5.00 6.00 7.00 8.00 la nn 10.00 Stop 150.000 MHz Ch2: Start 130.000 MHz CH 2: S21 C 2-Port LCL Status

Passband Amplitude & Group Delay

(1 dB/div & 5 nsec/div)

Overall Response (10 dB/div)



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

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

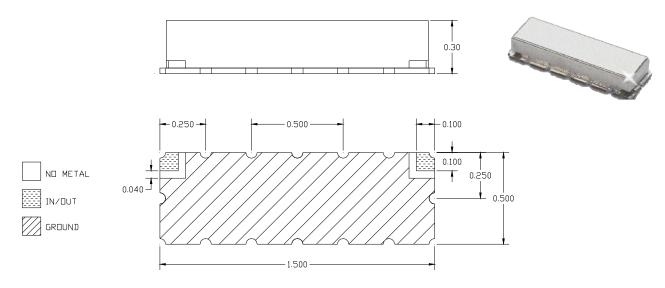
© 2014, KR Electronics, Inc. 3135-140-20, Rev 0, February 14, 2014

KR Electronics 3135-140-20

Specifications

| Parameter | Specification | Notes | |
|------------------------|---------------|----------------------------------|--|
| Filter type | Bandpass | | |
| Center Frequency (Fc) | 140 MHz | | |
| Insertion Loss (at Fc) | 2 dBa max | 1 dBa typical | |
| Attenuation at 130 MHz | 1 dBc max | Relative to Insertion Loss at Fc | |
| Attenuation at 140 MHz | 1 dBc max | Relative to Insertion Loss at Fc | |
| 1 dBc Bandwidth | 20 MHz min | 36 MHz typical | |
| 45 dBc Bandwidth | 60 MHz max | 58 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 | En | leb www.krfilters.com nail sales@krfilters.com hone (732) 636-1900 ax (732) 636-1982 |
|--|----|---|
| | | |

© 2014, KR Electronics, Inc. 3135-140-20, Rev 0, February 14, 2014