

# KR Electronics

## General Description

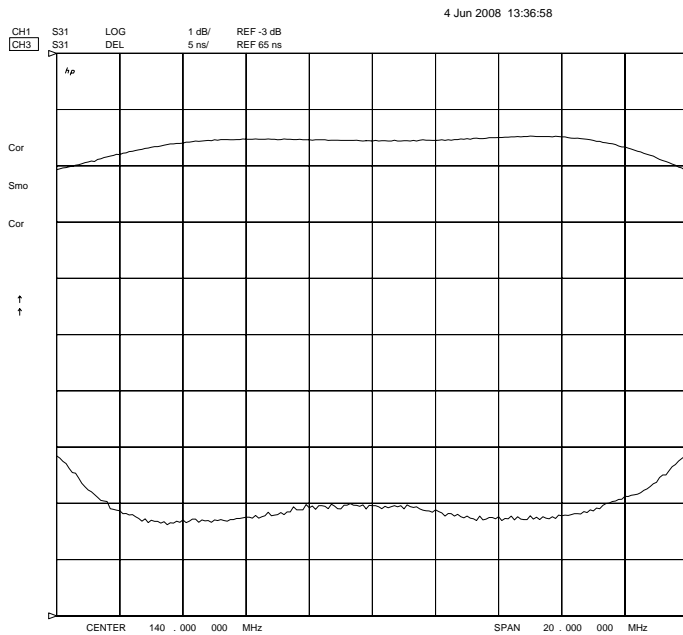
KR 2838-20 is a 140 MHz group delay equalized bandpass filter. The filter has a passband from 130 MHz to 150 MHz. Other passband frequencies are available. Please consult the factory.

### Features

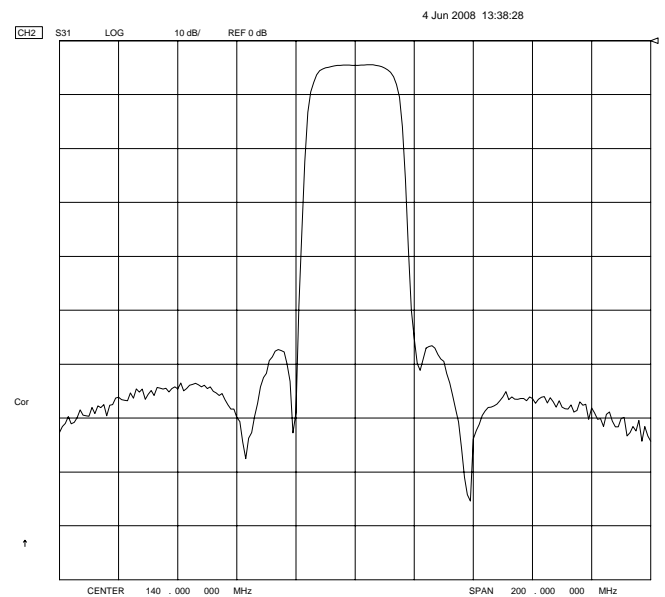
- 140 MHz Center Frequency
- Sharp Transition to Stopband
- Group Delay Equalized
- 50  $\Omega$  Source and Load

## Typical Performance

**Passband Amplitude & Group Delay**  
(1 dB/div and 5 nsec/div)



**Overall Response**  
(10 dB/div)



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

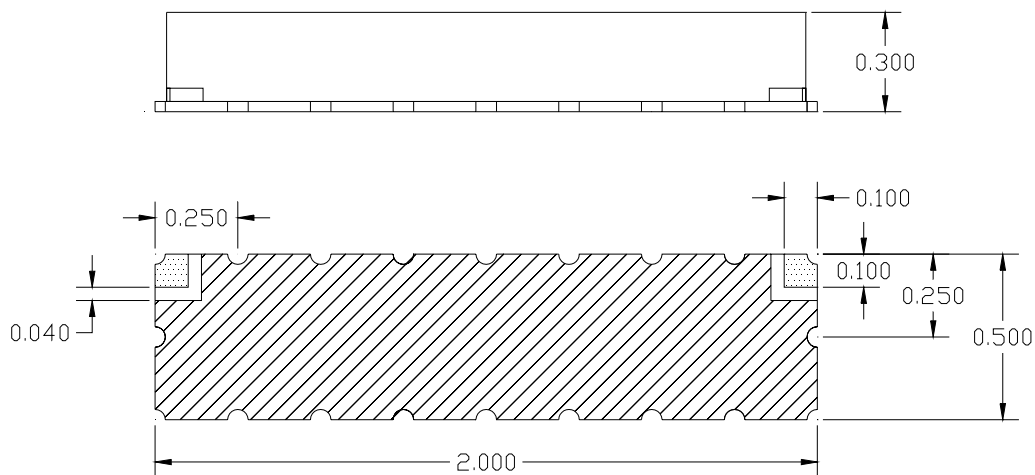
Web [www.krfilters.com](http://www.krfilters.com)  
Email [sales@krfilters.com](mailto:sales@krfilters.com)  
Phone (732) 636-1900  
Fax (732) 636-1982

# KR Electronics 2838-20

## Specifications

Parameter	Specification
Filter type	Bandpass
Insertion Loss	< 5.5 dB ( 4.5 dB typical )
Passband (< 2 dB)	130 MHz to 150 MHz
Passband Ripple	< 1 dB
Passband Group Delay Ripple 132 MHz to 148 MHz	< 6 nsec
Attenuation at 121 MHz & 159 MHz	> 40 dB
Attenuation at 104 MHz & 176	> 55 dB
Source and Load	50 $\Omega$

## 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.