

# KR Electronics

## General Description

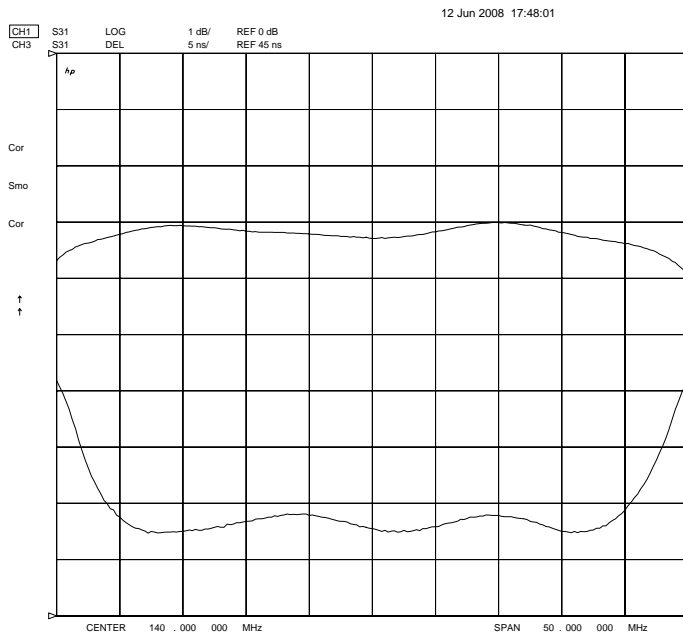
KR 2838-50 is a 140 MHz group delay equalized bandpass filter. The filter has a passband from 115 MHz to 165 MHz. Other passband frequencies are available. Please consult the factory.

### Features

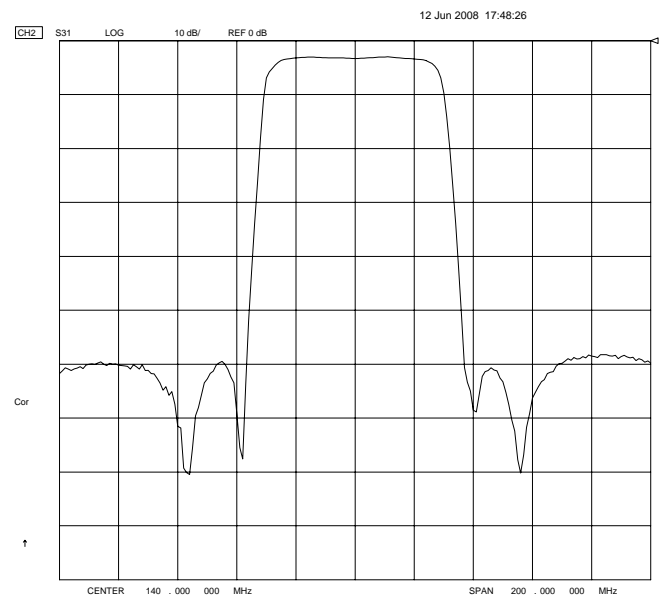
- 140 MHz Center Frequency
- Sharp Transition to Stopband
- Group Delay Equalized
- 50  $\Omega$  Source and Load

## Typical Performance

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



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



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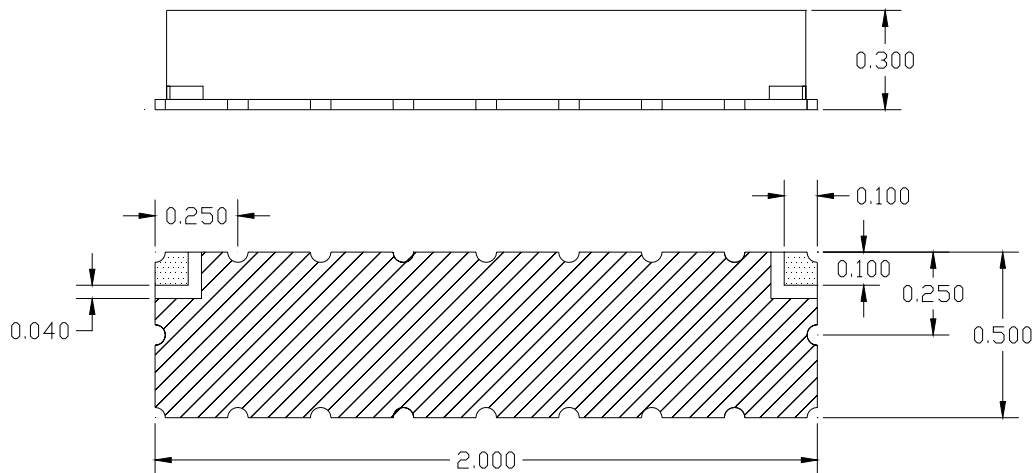
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# KR Electronics 2838-50

## Specifications

Parameter	Specification
Filter type	Bandpass
Insertion Loss	< 5 dB ( 3.5 dB typical )
Passband (< 2 dB)	115 MHz to 165 MHz
Passband Ripple	< 1 dB
Passband Group Delay Ripple 120 MHz to 160 MHz	< 4 nsec
Attenuation at 104 MHz & 176 MHz	> 40 dB
Attenuation at 100 MHz & 180 MHz	> 45 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.