

KR Electronics

General Description

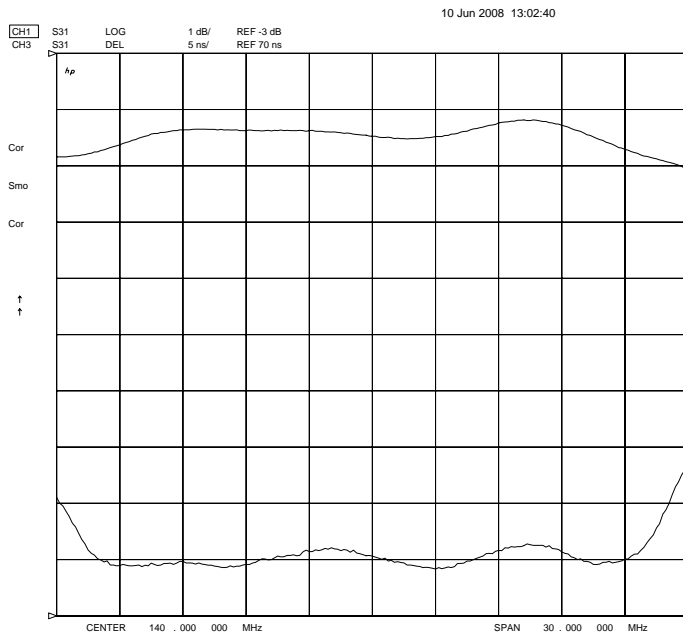
KR 2838-30 is a 140 MHz group delay equalized bandpass filter. The filter has a passband from 125 MHz to 155 MHz. Other passband frequencies are available. Please consult the factory.

Features

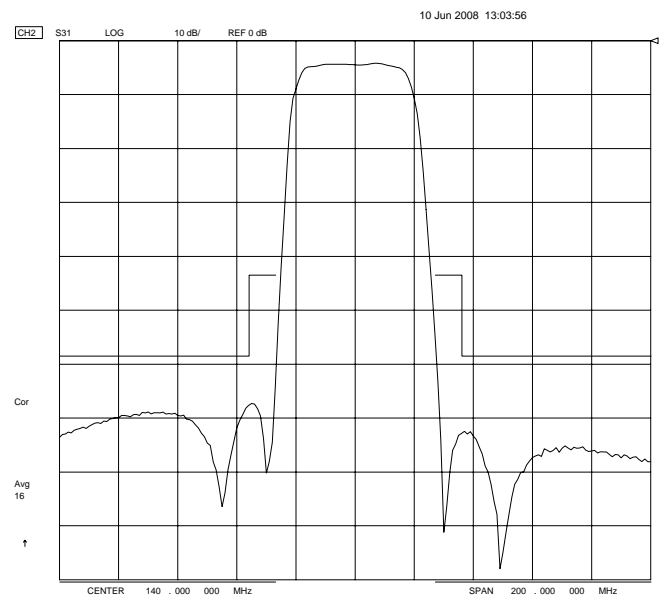
- 140 MHz Center Frequency
- Sharp Transition to Stopband
- Group Delay Equalized
- 50 Ω Source and Load

Typical Performance

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



Overall Response
(10 dB/div)



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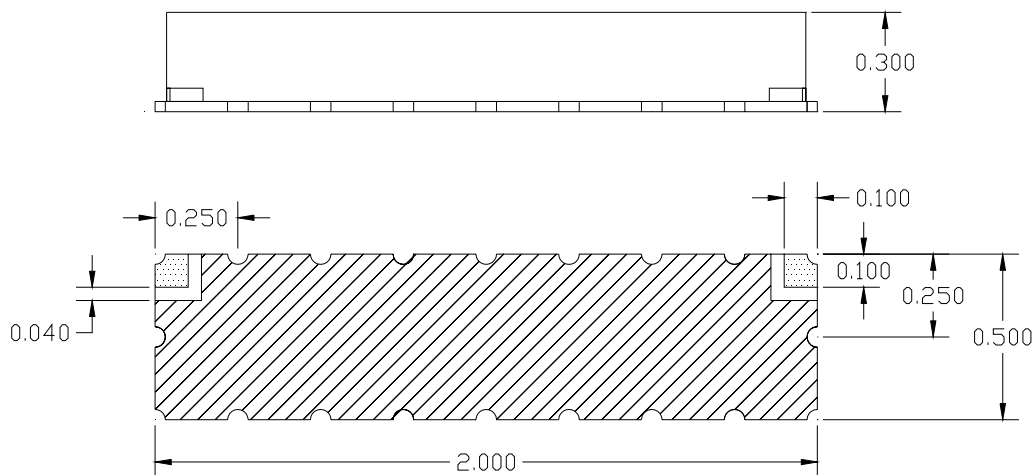
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KR Electronics 2838-30

Specifications

Parameter	Specification
Filter type	Bandpass
Insertion Loss	< 5.5 dB (4.5 dB typical)
Passband (< 2 dB)	125 MHz to 155 MHz
Passband Ripple	< 1.5 dB
Passband Group Delay Ripple 128 MHz to 152 MHz	< 5 nsec
Attenuation at 113 MHz & 167 MHz	> 40 dB
Attenuation at 104 MHz & 176	> 55 dB
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.