

KR Electronics

General Description

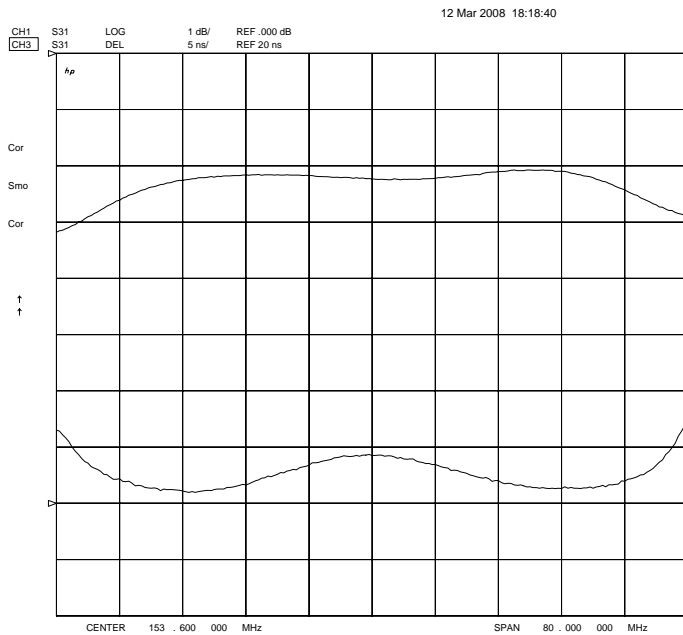
KR 2823-80 is a 153.6 MHz group delay equalized bandpass filter. The filter has a passband from 113.6 MHz to 193.6 MHz. Other passband frequencies are available. Please consult the factory.

Features

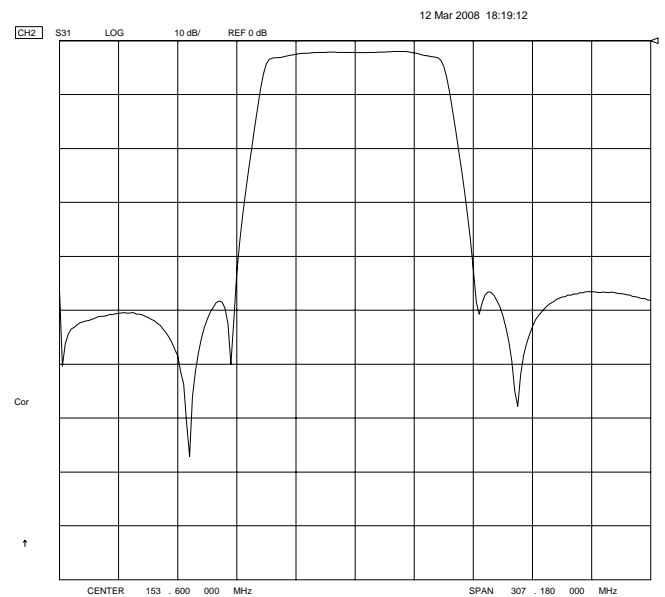
- Sharp Transition to Stopband
- Group Delay Equalized
- >37 dB Stopband
- 50 Ω Source and Load

Typical Performance

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



Overall Response
(10 dB/div)



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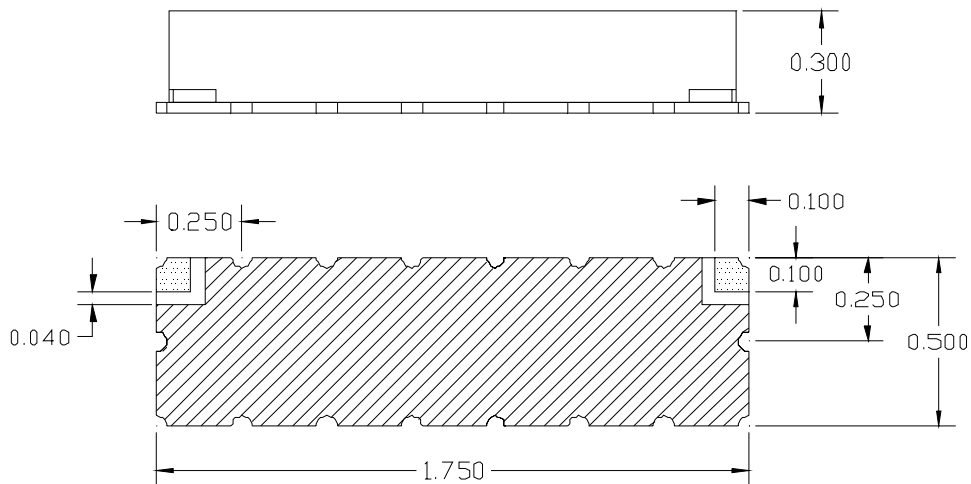
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KR Electronics 2823-80

Specifications

| Parameter | Specification |
|-----------------------------|-----------------------------|
| Filter type | Bandpass |
| Insertion Loss | < 3.5 dB (2.5 dB typical) |
| Passband | 113.6-193.6 MHz |
| Passband Ripple | < 1.5 dB |
| Passband Group Delay Ripple | < 15 nsec |
| Attenuation at 91.2 MHz | > 37 dB |
| Attenuation at 216 MHz | > 37 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.