

KR Electronics

General Description

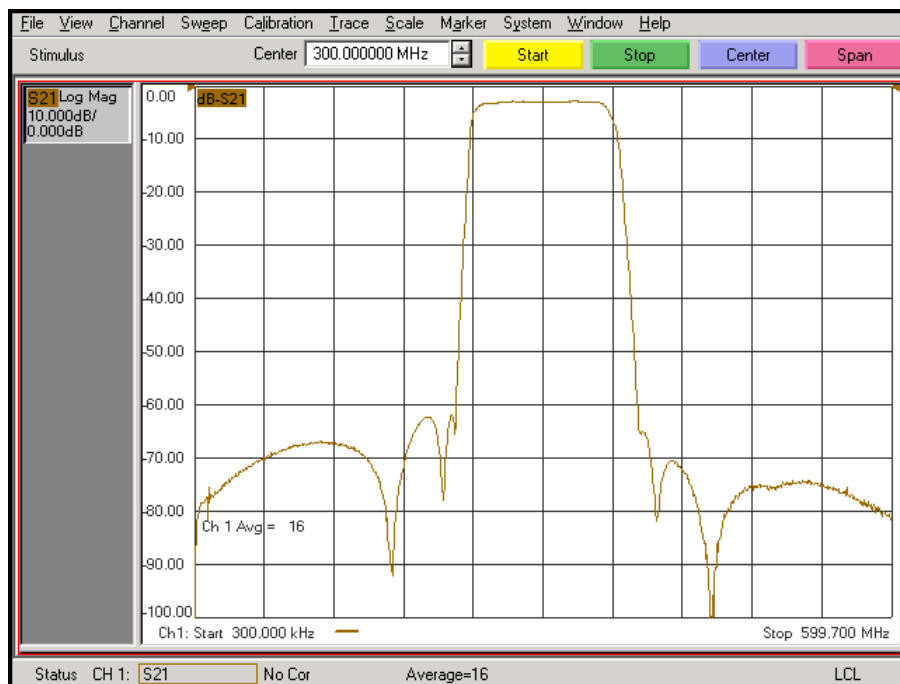
KR 2897 is a 300 MHz bandpass filter. The 1 dB bandwidth is 98 MHz minimum. The filter is group delay and amplitude equalized. Other center frequencies and bandwidths available. Please consult the factory.

Features

- 300 MHz Center Frequency
- 98 MHz min 1 dB Bandwidth
- Group Delay/Phase Equalized
- Elliptic Response
- Surface Mount
- 50 Ω Source and Load

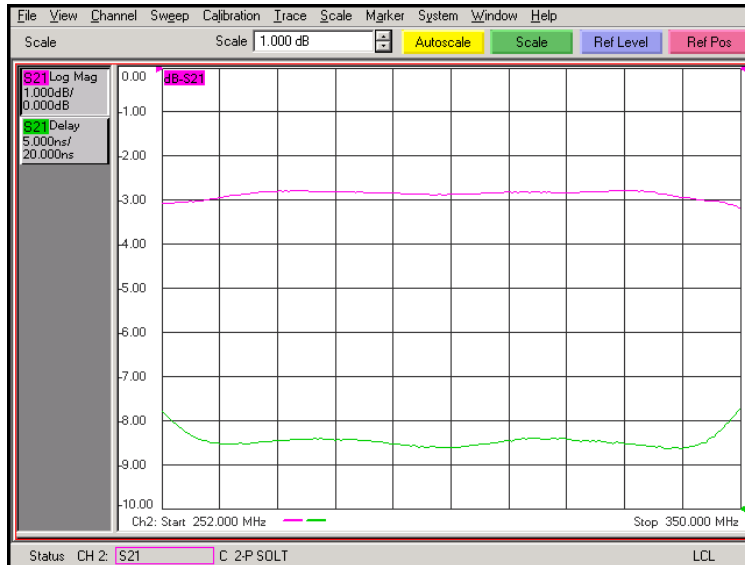
Typical Performance

Overall Response (10 dB/div)

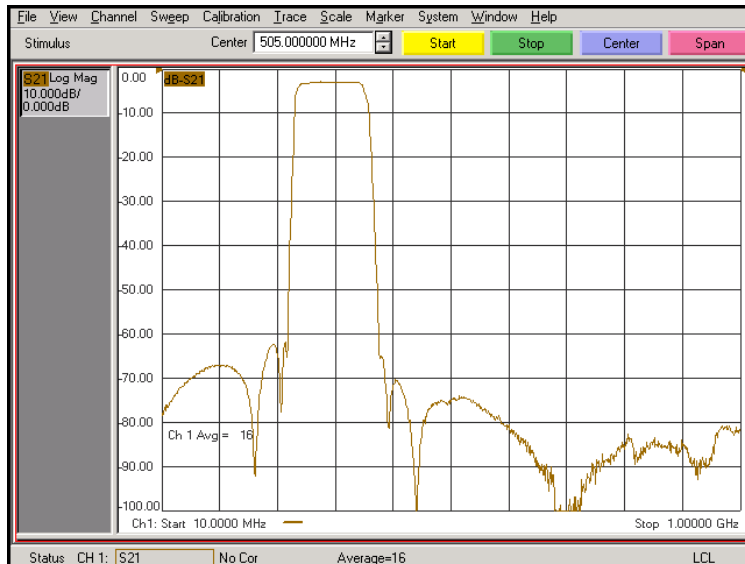


Typical Performance

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



Overall Stopband to 1 GHz (10 dB/div)



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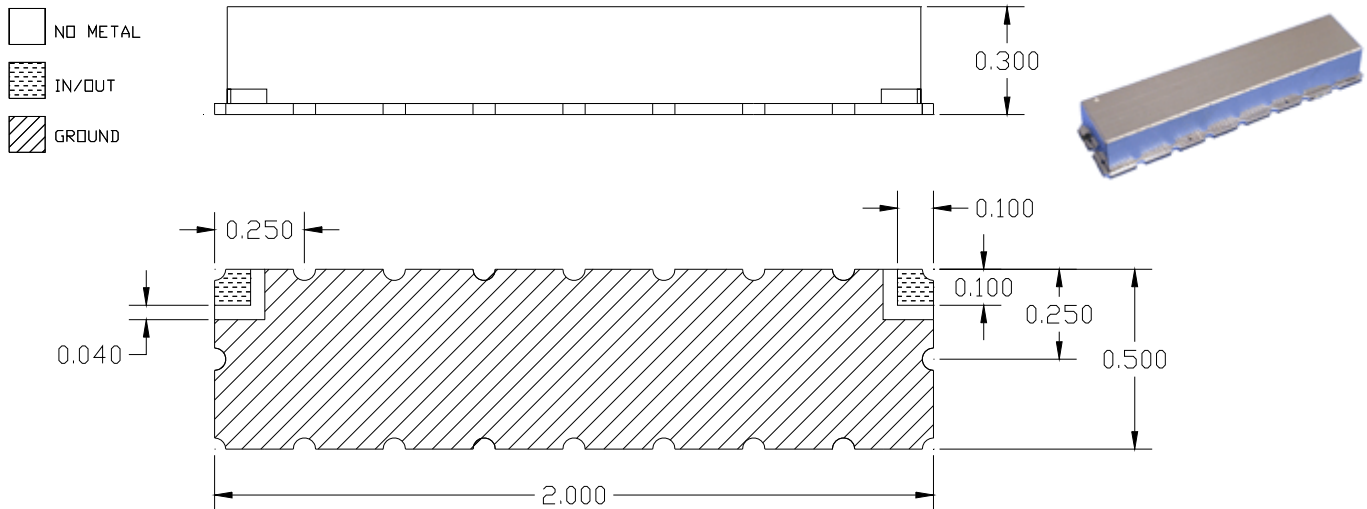
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KR Electronics 2897

Specifications

| Parameter | Specification |
|---|-------------------------------------|
| Filter type | Bandpass |
| Center Frequency | 300 MHz |
| Insertion Loss | < 5 dB (3 dB typical) |
| Minimum 1 dB Bandwidth | 98 MHz min |
| Attenuation 225 MHz | 50 dB min |
| Attenuation 380 MHz | 50 dB min |
| Deviation from Linear Phase 252 MHz to 350 MHz | $\pm 5^\circ$ max (<5° p-p 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 209° C for 10 sec maximum.
4. If boards are cleaned after installation, units must be completely dried.