

KR Electronics

General Description

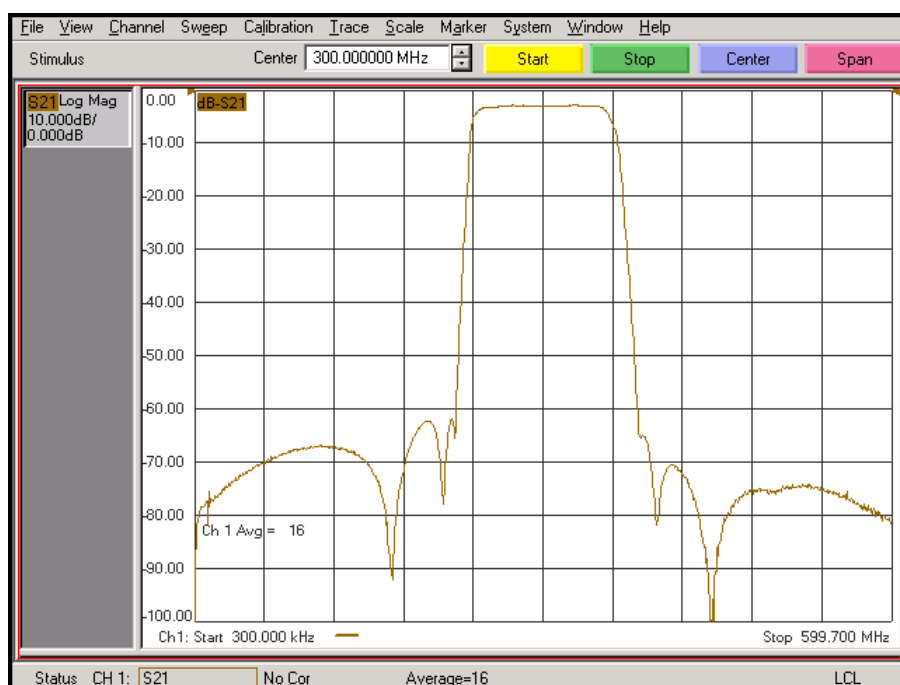
KR 2897 is a 300 MHz bandpass filter. The 1 dB bandwidth is 98 MHz minimum. The filter is group delay and amplitude equalized. Other center frequencies and bandwidths available. Please consult the factory.

Features

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

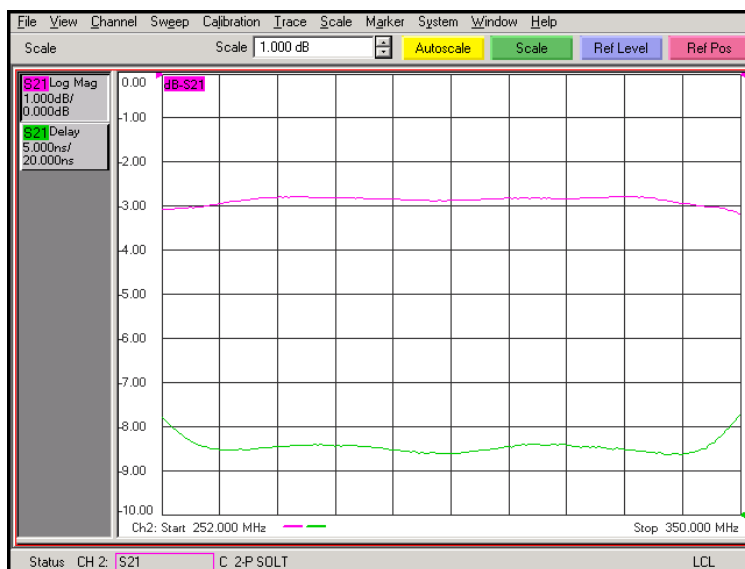
Typical Performance

Overall Response (10 dB/div)

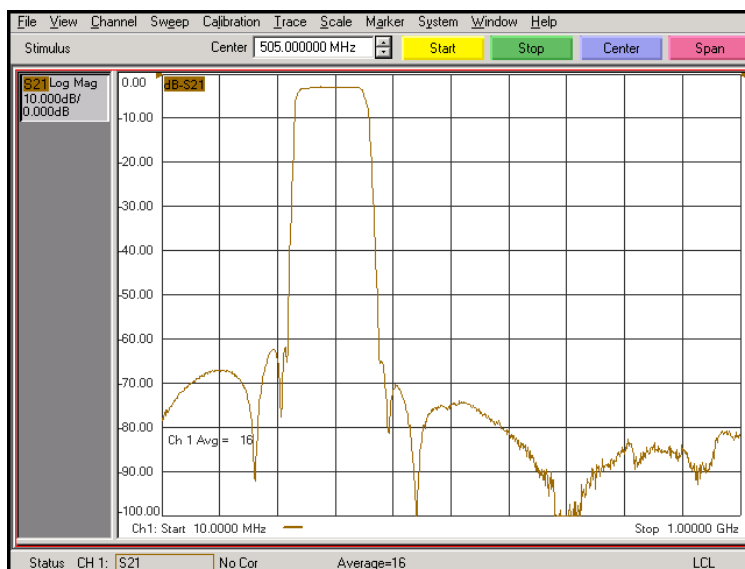


Typical Performance

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



Overall Stopband to 1 GHz (10 dB/div)



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

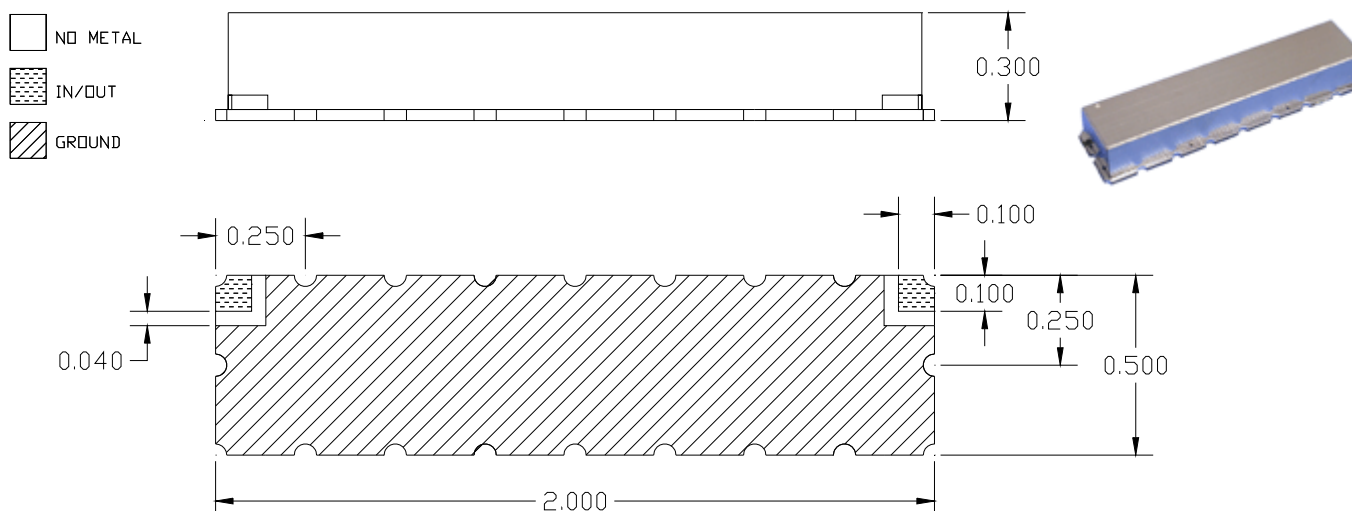
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KR Electronics 2897

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.

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