

KR Electronics

General Description

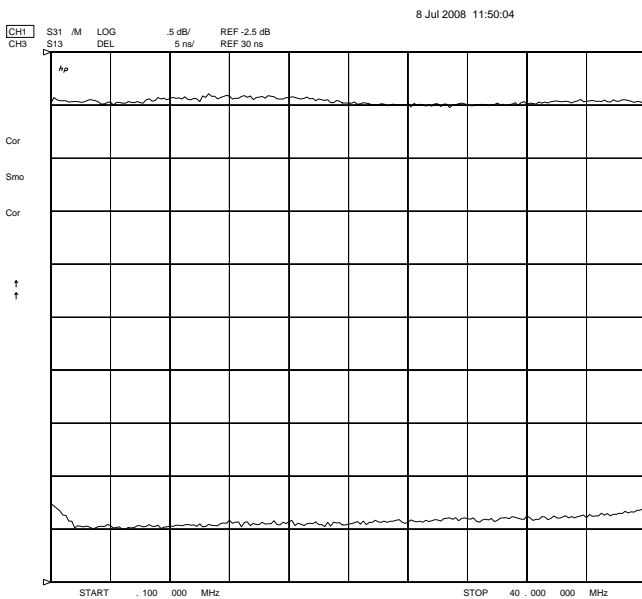
KR 2847-S is a 40 MHz lowpass filter. The filter has group delay equalization and $\sin(x)/x$ correction. Other passband frequencies are available. Please consult the factory.

Features

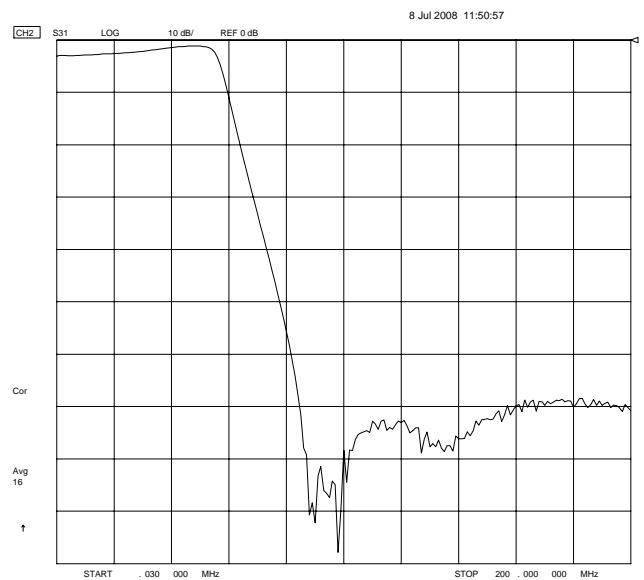
- 40 MHz Bandwidth
- Group Delay Equalized
- $\sin(x)/x$ Correction
- SIP Package
- 75 Ω Source and Load

Typical Performance

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



Overall Response
(10 dB/div)



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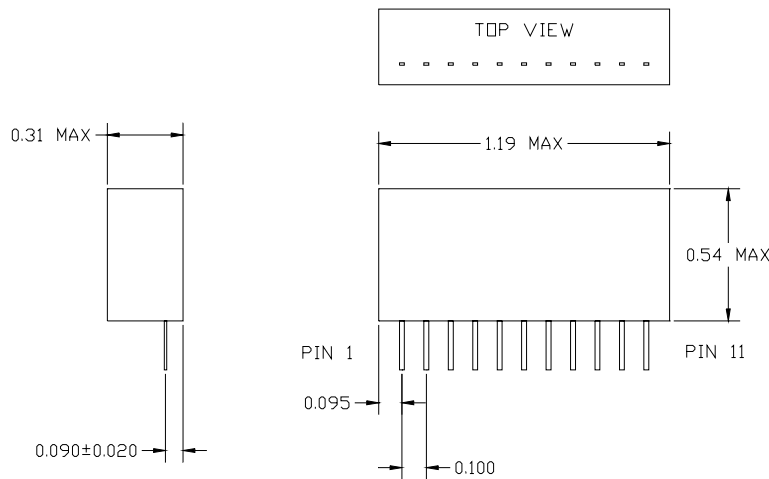
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KR Electronics 2847-S

Specifications

Parameter	Specification
Filter type	Lowpass
End of Passband	40 MHz
Effective Passband Ripple	< 0.5 dB
Group Delay Ripple to 40 MHz	< 5 nsec
Attenuation 85 MHz	> 55 dB
Sin(x)/x Correction	Yes for 125 MHz sampling
Source and Load	75 Ω

Physical Dimensions



Pin 1 is Input
 Pin 11 is Output
 Pins 2 thru 10 are Ground
 Pin Dimensions .020 x .010
 All dimensions in inches
 Can be supplied in surface mount package