KR Electronics 2580

General Description

KR 2580 is a 30 MHz lowpass filter with group delay equalization. Other bandwidths available. Please consult the factory. For filter with Sin(x)/x compensation see KR 2580-S.

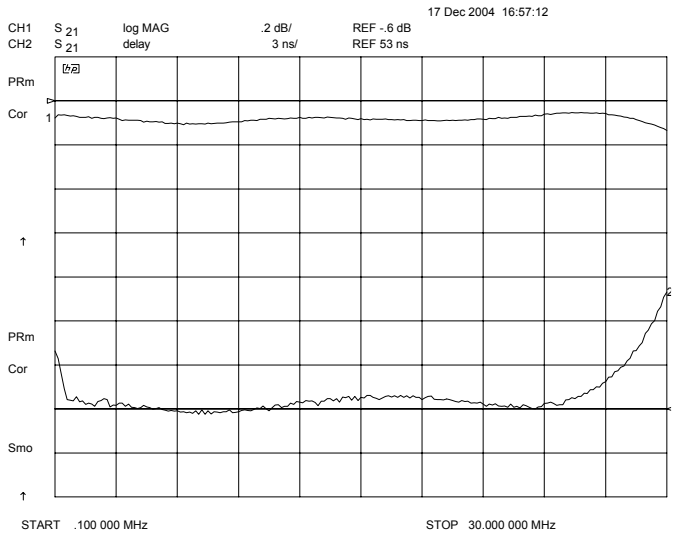
Features

- SIP Package
- Sharp Transition to Stopband
- Group Delay Equalized
- 50 Ω Source and Load

Typical Performance

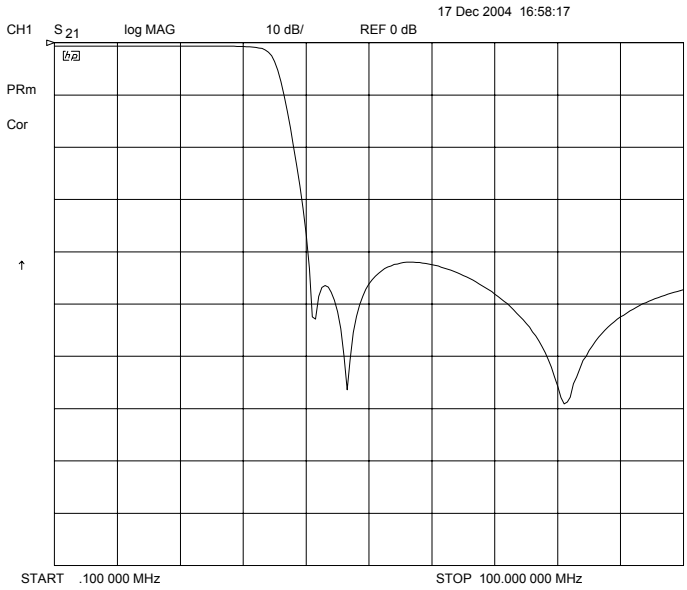
Passband Amplitude & Group Delay

(0.2 dB/div and 3nsec/div)



Overall Response

(10 dB/div)



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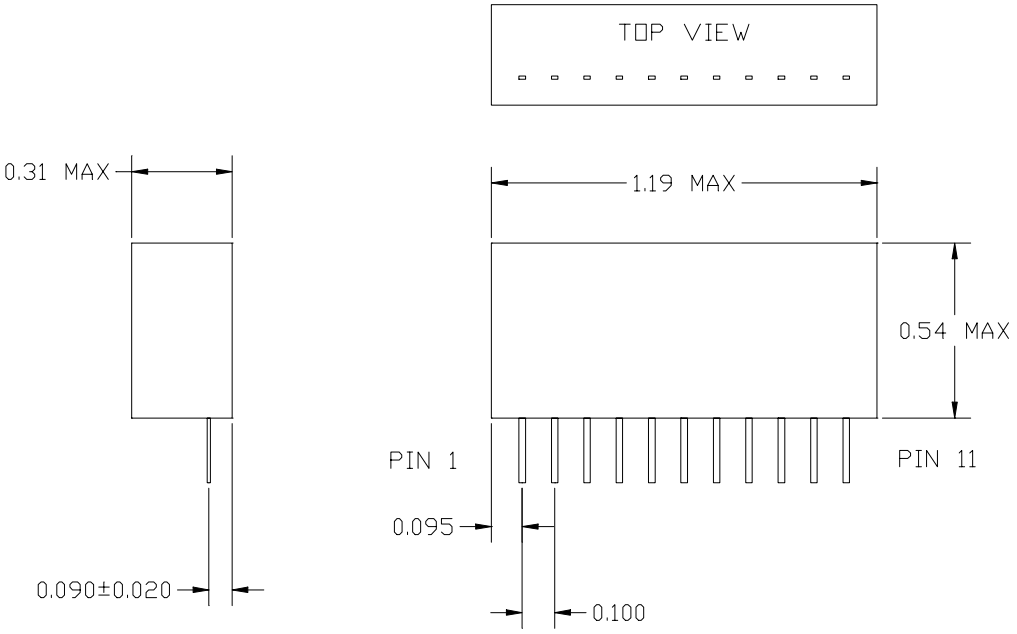
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Specifications

Parameter	Specification	
Filter type	Lowpass	
End of Passband	30 MHz	
Insertion Loss	< 1 dB (0.7 dB typical)	
Passband Ripple	< 0.2 dB	
Attenuation at 43.5 MHz	> 40 dB	
Sin(x)/x	No	See KR 2580-S for Sin(x)/x compensated filter
Group Delay Ripple to 27 MHz	< 3 nsec	
Source and Load	50 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

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