KR Electronics, Inc.

www.krfilters.com

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General Description

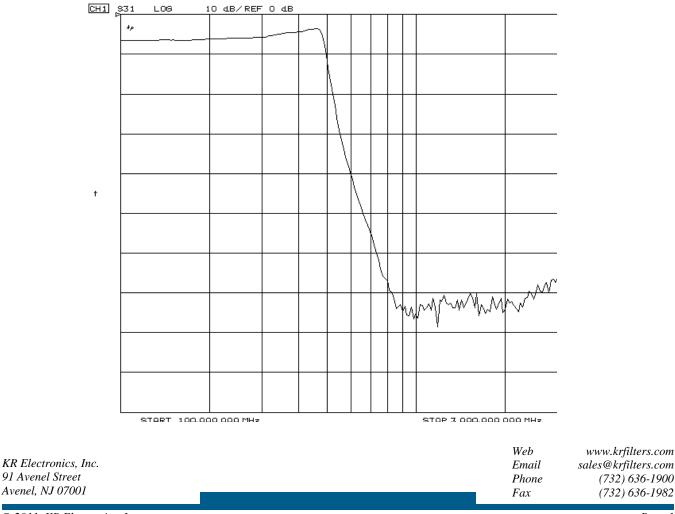
KR Electronics part number 3007-SMA is a 430 MHz lowpass filter. The filter is group delay equalized and has sin(x)/x correction. Other bandwidths are available. Please consult the factory.

Features

- 430 MHz Lowpass Filter
- Group Delay Equalized
- Sin(x)/x Correction
- 50 Ω Source and Load
- SMA Connectors
- Surface Mount also available

Typical Performance

Overall Response (10 dB/div)

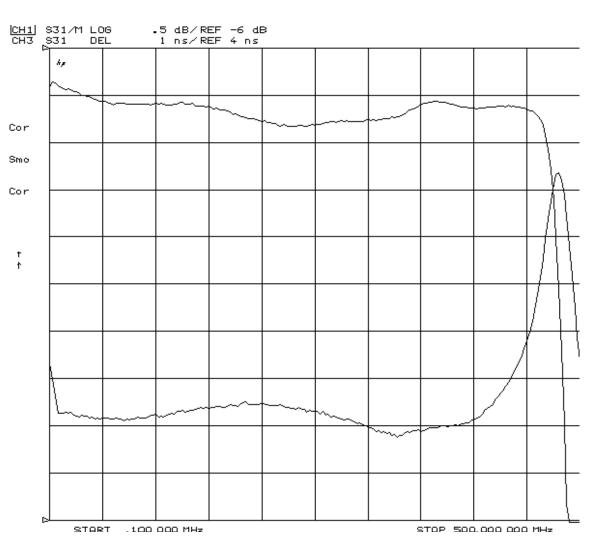


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Typical Performance

Effective Passband Amplitude & Group Delay (0.5 dB/div & 1nsec/div)



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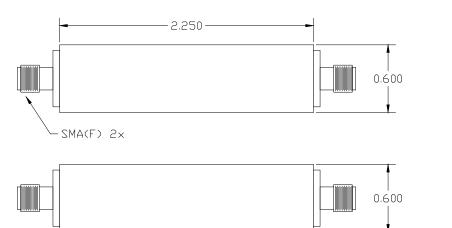
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KR Electronics 3007-SMA

Specifications

Sampling frequency Insertion Loss at 0.1 MHz 7 dB max Rejection at 549 MHz (Ref 430 MHz) 20 dB min	Parameter	Specification	Notes
Effective Passband Ripple 270 MHz to 430 MHz 0.5 dB max With Sin(x)/x correction for 979 MH sampling frequency Insertion Loss at 0.1 MHz 7 dB max Rejection at 549 MHz (Ref 430 MHz) 20 dB min	Filter type	Lowpass	
Sampling frequency Insertion Loss at 0.1 MHz 7 dB max Rejection at 549 MHz (Ref 430 MHz) 20 dB min	End of Passband	430 MHz	
Rejection at 549 MHz (Ref 430 MHz) 20 dB min	Effective Passband Ripple 270 MHz to 430 MHz	0.5 dB max	With Sin(x)/x correction for 979 MHz sampling frequency
	Insertion Loss at 0.1 MHz	7 dB max	
Source and Load 50.0	Rejection at 549 MHz (Ref 430 MHz)	20 dB min	
60 32	Source and Load	50 Ω	

Physical Dimensions





Notes:

- 1. Dimensions in inches
- 2. Rectangular case
- 3. Also available in surface mount package 0.5" x 1.5" x 0.30"

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