KR Electronics, Inc.

www.krfilters.com

KR Electronics, Inc.

General Description

KR Electronics part number 3234-SMA is a 105 MHz group delay equalized lowpass filter. The filter has a minimum 0.5 dB bandwidth of 105 MHz. Other frequencies are available. Please consult the factory.

Features

- 105 MHz Lowpass Filter
- Group Delay Equalized for Linear Phase
- Sharp Elliptic Response
- 80 dB Rejection at 155 MHz
- 50 Ω Source and Load
- SMA Connectors Surface Mount Also Available

Typical Performance

<u>File View Channel Sweep Calibration Trace Scale Marker System Window H</u>elp Stop 1.00000000 GHz 🗧 Stop Stimulus Start Center Span. 0.00 10.00dB/ 0.00dB LogM 10.00 20.00 -30.00 40.00 50.00 60.00 -70.00 80.00 90.00 -100.00 Ch 1 Avg = 10 WWWWWWW MMM MМ WW Ch1: Start 300.000 kHz Stop 1.00000 GHz S21 No Cor LCL Status CH 1: Avg=10

Overall Response (10 dB/div)

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KR Electronics, Inc.	Email	sales@krfilters.com
91 Avenel Street	Phone	(732) 636-1900
Avenel, NJ 07001	Fax	(732) 636-1982

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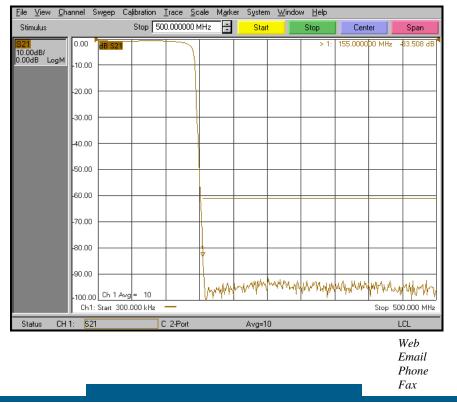
Typical Performance

<u>F</u>ile <u>V</u>iew <u>C</u>hannel Sw<u>e</u>ep Calibration <u>T</u>race <u>S</u>cale M<u>a</u>rker S<u>y</u>stem <u>W</u>indow <u>H</u>elp Stop 120.000000 MHz 📫 Start Stimulus Stop Center Span 0.00 105.000000 MHz 1.000dB/ 0.00dB 1 LogM 1.00 <mark>821</mark> 10.00ns/ -10.0ns Delay 2.00 3.00 4.00 5.00 6.00 -7.00 8.00 9.00 10.00 Ch 2 Avg = 10 Stop 120.000 MHz Ch2: Start 300.000 kHz CH 2: S21 C* 2-Port Avg=10 LCL Status

Passband Amplitude & Group Delay

(1 dB/div & 10 nsec/div)

Overall Response (10 dB/div)



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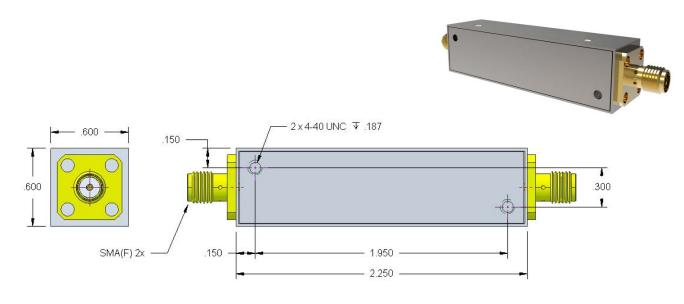
91 Avenel Street

KR Electronics 3234-SMA

Specifications

Specification	Notes
Lowpass	
1.5 dBa max	< 1 dBa typical
0.5 dBc max	
60 dBc min	80 dBc typical
< 5 nsec typical	
50 Ω	
	Lowpass 1.5 dBa max 0.5 dBc max 60 dBc min < 5 nsec typical

Physical Dimensions



Notes:

- 1. Dimensions in inches
- 2. Rectangular case
- 3. Also available in surface mount package

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