KR Electronics, Inc.

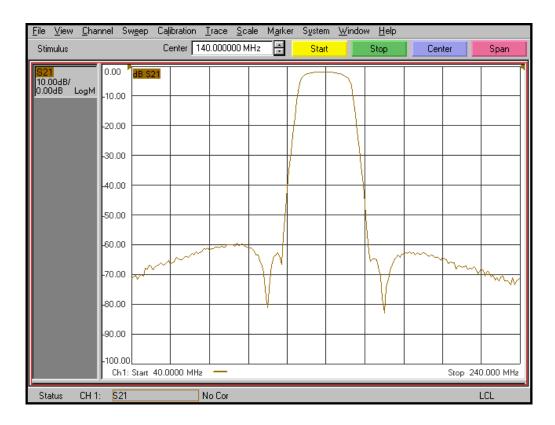
General Description

KR Electronics part number 3059 is a 140 MHz bandpass filter. The filter has a typical 1 dB bandwidth of 19.5 MHz and a typical 50 dB bandwidth of 42 MHz. Other center frequencies and bandwidths are available. Please consult the factory.

Features

- 140 MHz Bandpass Filter
- 19.5 MHz typical 1 dB Bandwidth
- 42 MHz typical 50 dB Bandwidth
- Sharp Elliptic Type Design
- 50 Ω Source and Load
- Surface mount
- Also available with SMA Connectors

Typical Performance



Overall Response (10 dB/div)

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

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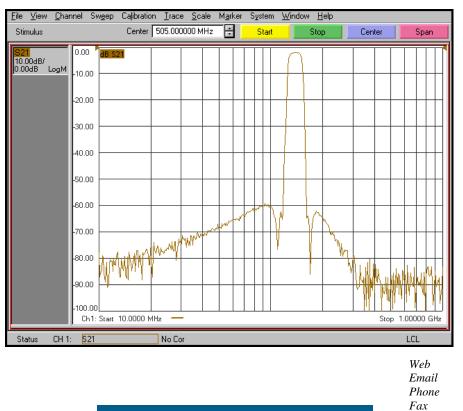
KR Electronics 3059

ïle <u>V</u> iew <u>C</u> hannel Sw <u>e</u> ep Scale	Scale 1.000 dB	Autoscale	Scale RefL	evel Ref Pos
S21 0.00 abs	\$21			
0.00dB LogM -1.00				
20.00ns/ 0.00ns Delay _2.00				
-3.00				
4.00				
5.00				X
6.00				
-7.00				
8.00		~~		
9.00				
-10.00 Ch1: Start	127.500 MHz		<u> </u>	Stop 152.500 MHz
Status CH 1: S21	C* 2-Port			LCL

Passband Amplitude & Group Delay

(1 dB/div & 20 nsec/div)

Overall Response (10 dB/div)



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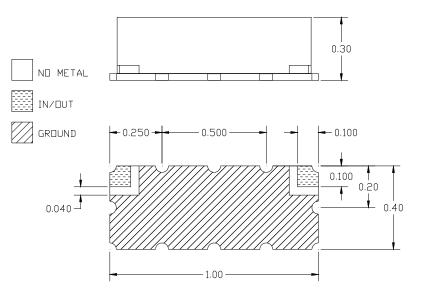
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KR Electronics 3059

Specifications

Parameter	Specification	
Filter type	Bandpass	
Center Frequency	140 MHz	
Insertion Loss	3.5 dB max	2 dB typical
1 dB Bandwidth	19.5 MHz typical	
3 dB Bandwidth	25 MHz typical	
40 dB Bandwidth	40 MHz typical	
50 dB Bandwidth	42 MHz typical	44 MHz max
Source and Load	50 Ω	

Physical Dimensions





Notes:

- 1. Surface mount package
- 2. Dimensions in inches
- 3. Max reflow temperature 230° C for 10 sec
- 4. If boards are cleaned after installation units must be completely dried

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