

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

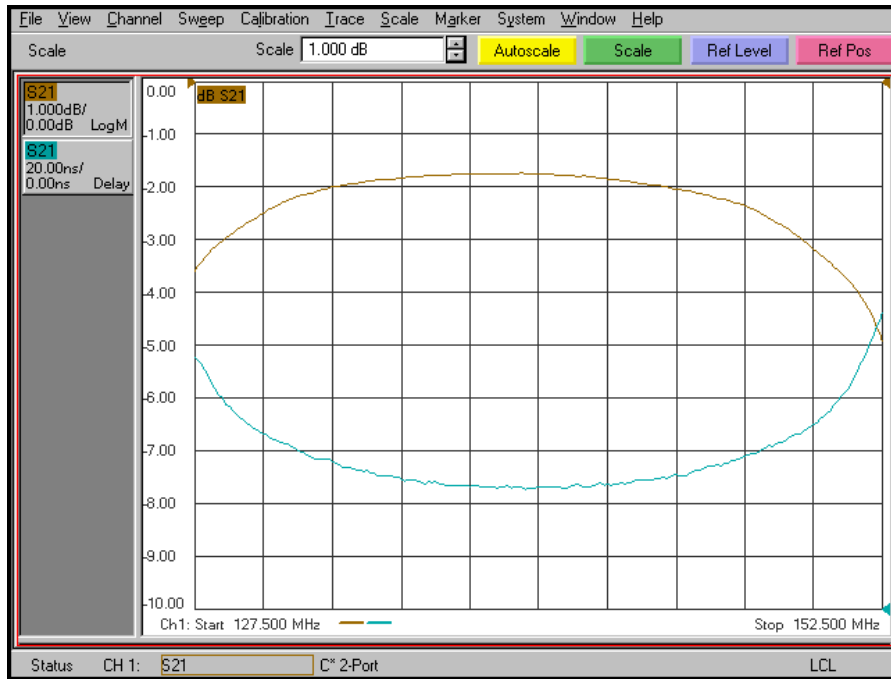
Typical Performance

Overall Response (10 dB/div)

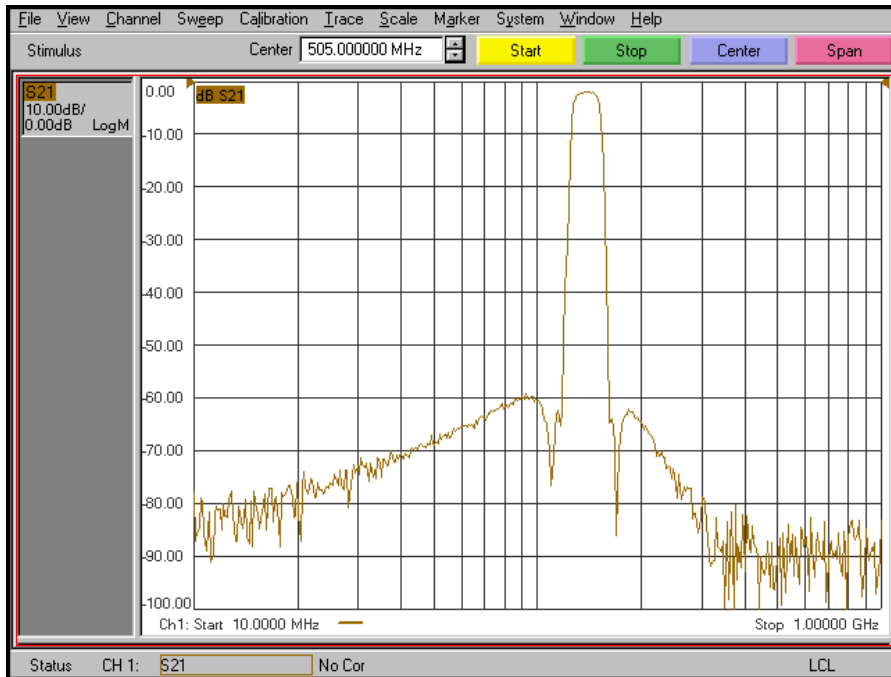


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Passband Amplitude & Group Delay (1 dB/div & 20 nsec/div)



Overall Response (10 dB/div)



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Avenel, NJ 07001

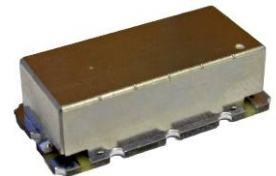
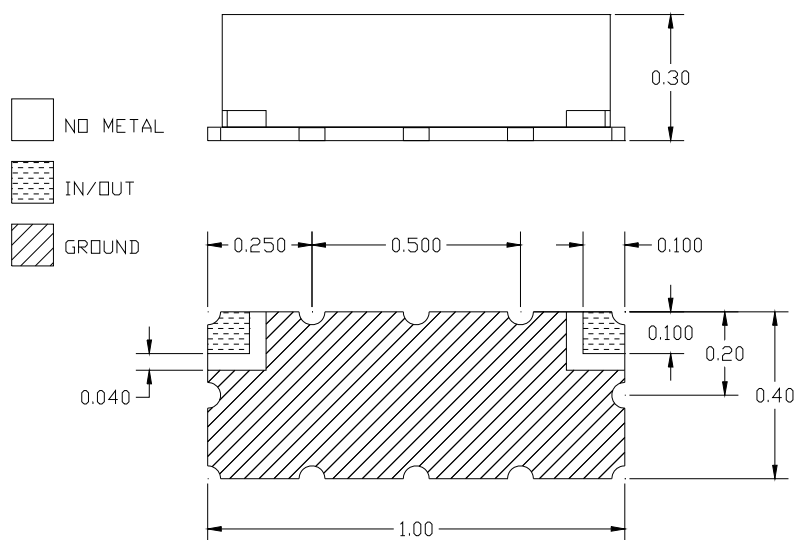
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Specifications

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