

KR Electronics, Inc.

General Description

KR Electronics part number 3034 is a 45 MHz bandpass filter. The filter has a minimum 1 dB bandwidth of 24 MHz and a maximum 40 dB bandwidth of 36 MHz. Other center frequencies and bandwidths are available. Please consult the factory.

Features

- 45 MHz Bandpass Filter
- 24 MHz min 1 dB Bandwidth
- 36 MHz max 40 dB Bandwidth
- Sharp Elliptic Type Design
- Group Delay Equalized
- 50 Ω Source and Load
- Surface Mount
- Also available with SMA Connectors

Typical Performance

Overall Response (10 dB/div)

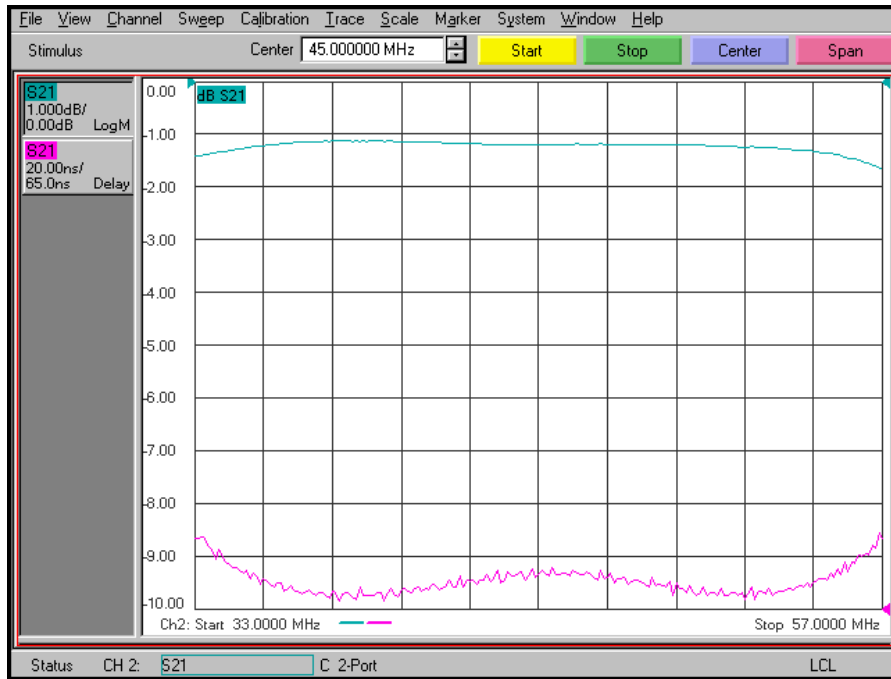


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Avenel, NJ 07001

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Email sales@krfilters.com
Phone (732) 636-1900
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Passband Amplitude & Group Delay (1 dB/div & 20 nsec/div)



Overall Response (10 dB/div)



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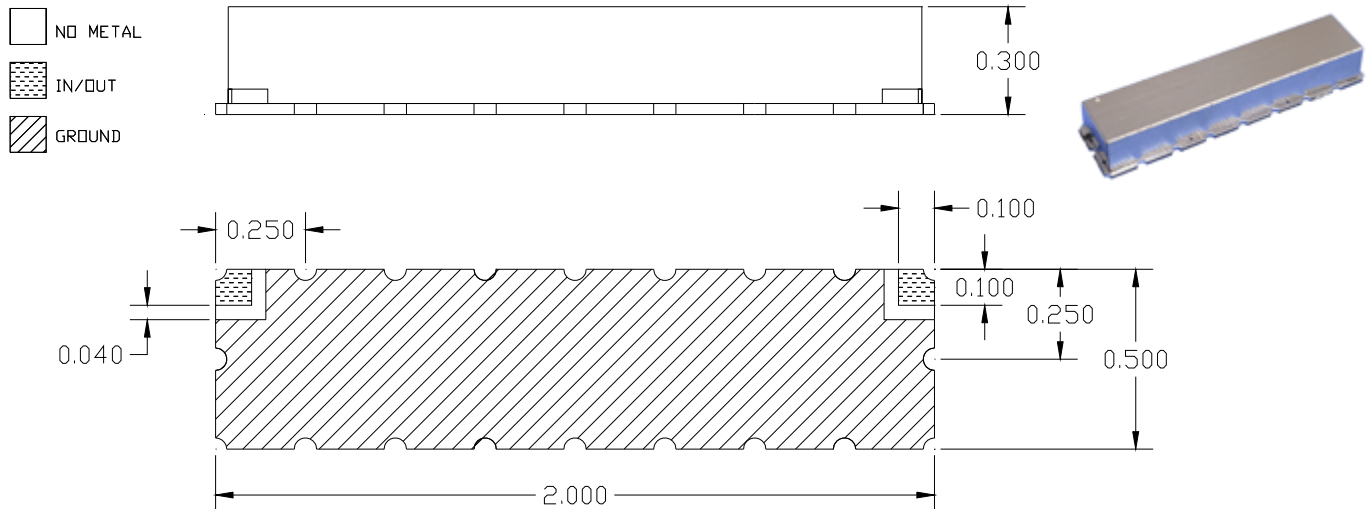
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Specifications

Parameter	Specification	Notes
Filter type	Bandpass	
Center Frequency	45 MHz	
Insertion Loss	3 dB max	1.25 dB typical
1 dB Bandwidth	24 MHz min	33 MHz to 57 MHz
40 dB Bandwidth	36 MHz max	27 MHz & 63 MHz
Group Delay Variation 27 MHz to 63 MHz	28 nsec typical	
Source and Load	50 Ω	

Physical Dimensions



Notes:

1. Surface mount package — Metal cover open frame
2. Dimensions in inches
3. Maximum reflow temperature is 209° C for 10 sec maximum.
4. If boards are cleaned after installation, units must be completely dried.

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