

# KR Electronics, Inc.

## General Description

KR Electronics part number 3243-SMA is a 374 MHz band-pass filter. The filter has a minimum 1 dB bandwidth of 452 MHz. Other center frequencies and bandwidths are available. Please consult the factory.

### Features

- 374 MHz Bandpass Filter
- 1 dB Bandwidth 530 MHz typical
- 40 dB Bandwidth 660 MHz max
- Sharp Elliptic Type Design
- 50  $\Omega$  Source and Load
- SMA Connectors
- Also available as surface mount

## Typical Performance

### Overall Response (10 dB/div)



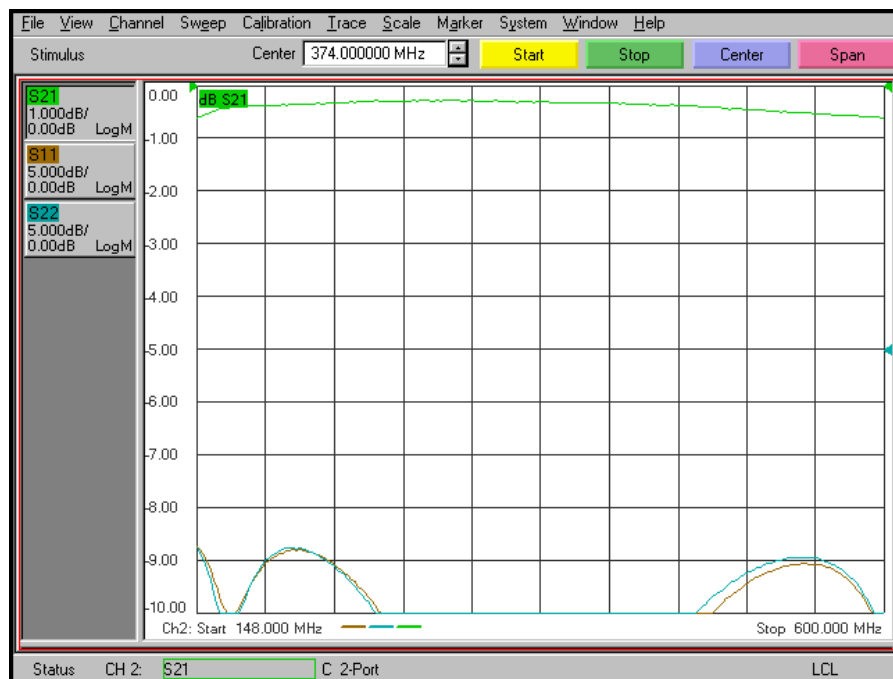
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# KR Electronics 3243-SMA

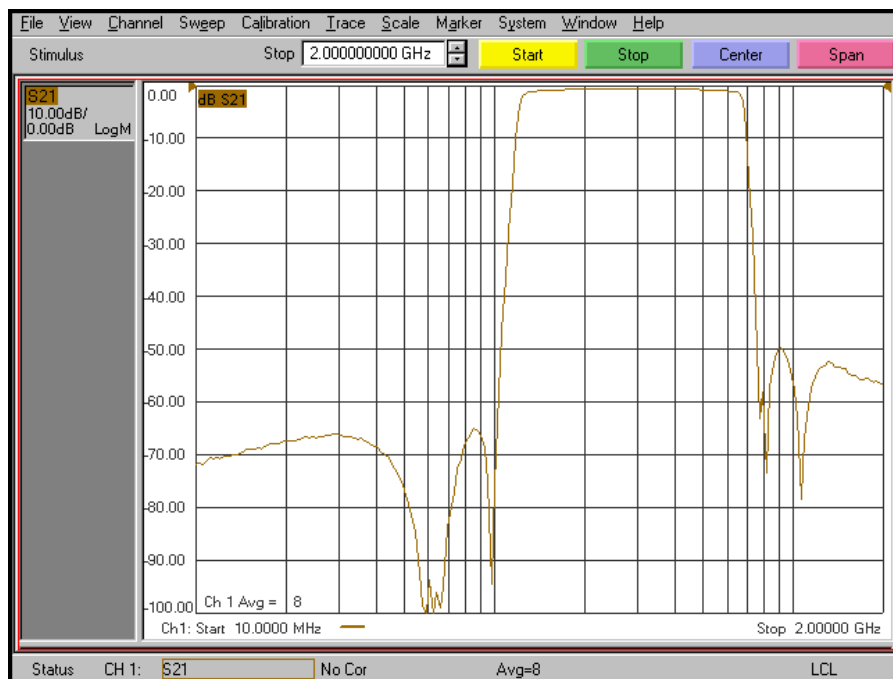
## Passband Amplitude & Return Loss

(1 dB/div & 5 dB/div)



## Overall Response

(10 dB/div)



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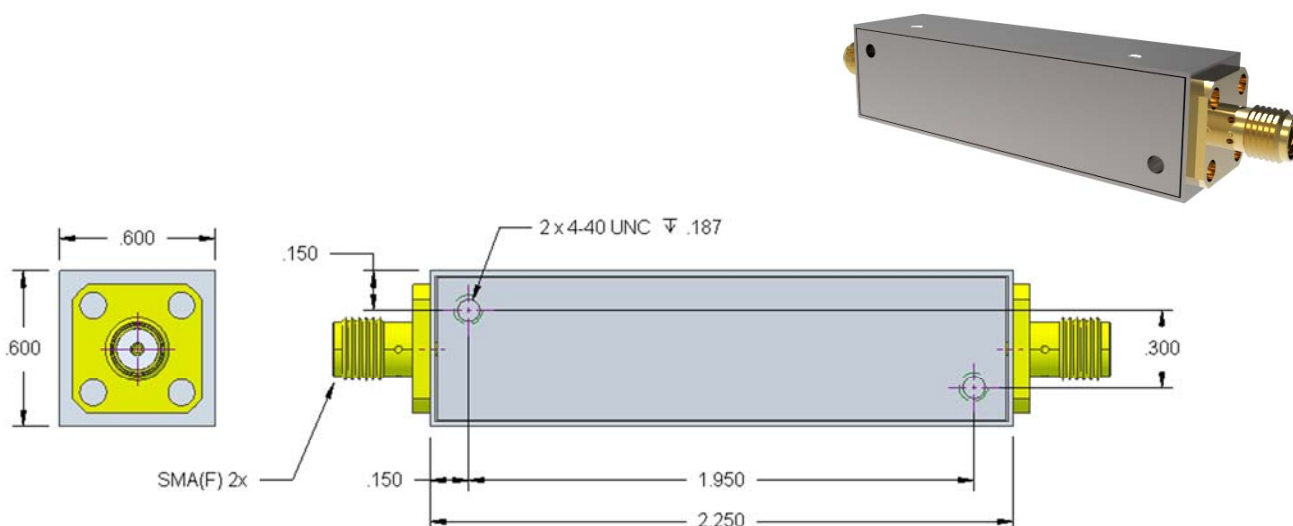
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## KR Electronics 3243-SMA

### Specifications

| Parameter                     | Specification             | Notes             |
|-------------------------------|---------------------------|-------------------|
| Filter type                   | Bandpass                  |                   |
| Center Frequency              | 374 MHz                   |                   |
| Insertion Loss                | 1 dBa max                 | < 0.5 dBa typical |
| 1 dBc Bandwidth               | 452 MHz min (148-600 MHz) | 530 MHz typical   |
| 3 dBc Bandwidth               | 550 MHz typical           |                   |
| 40 dBc Bandwidth              | 640 MHz typical           |                   |
| Rejection at 100 MHz & below  | 50 dB min                 |                   |
| Rejection 760 MHz to 1500 MHz | 40 dB min                 |                   |
| Source and Load               | 50 $\Omega$               |                   |

### Physical Dimensions



#### Notes:

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

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