

## General Description

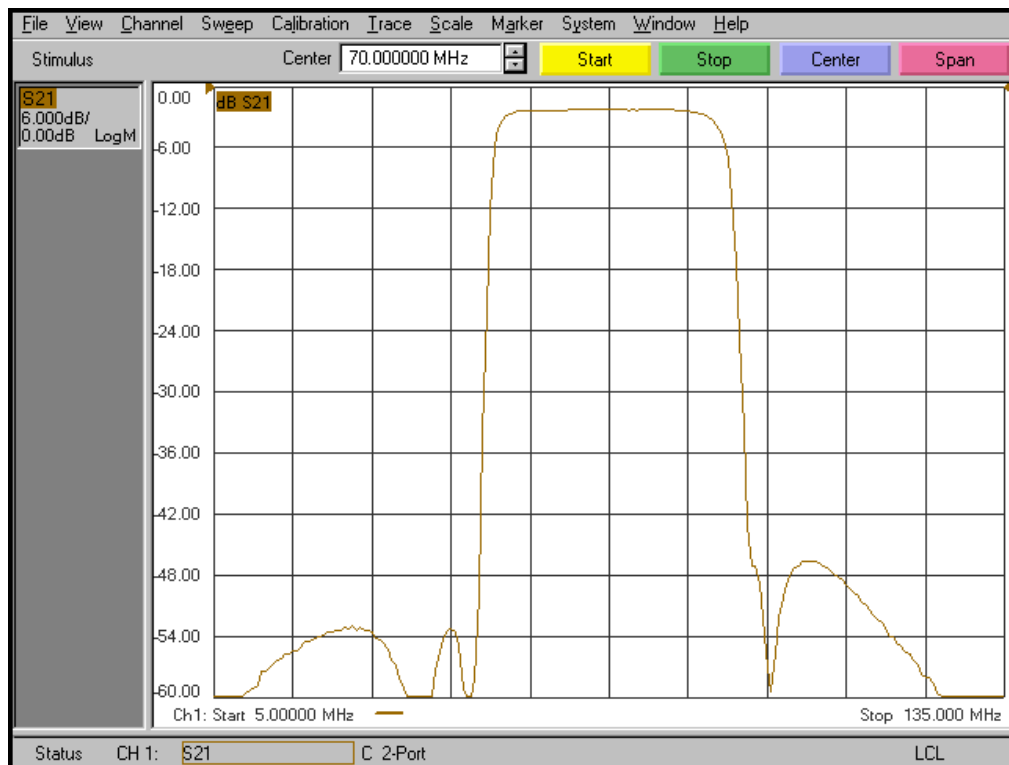
KR Electronics part number 3157-SMD is a 70 MHz bandpass filter. The filter has a min 0.5 dB bandwidth of 30 MHz. The filter is amplitude equalized for flat pass-band response. Elliptic type response for quick transition to the stopband. Other frequencies are available. Please consult the factory.

## Features

- 70 MHz Bandpass Filter
- 30 MHz min 0.5 dB Bandwidth
- 44 MHz typical 40 dB Bandwidth
- Elliptic Type Response
- 50  $\Omega$  Source and Load
- Surface Mount
- Also available with SMA Connectors

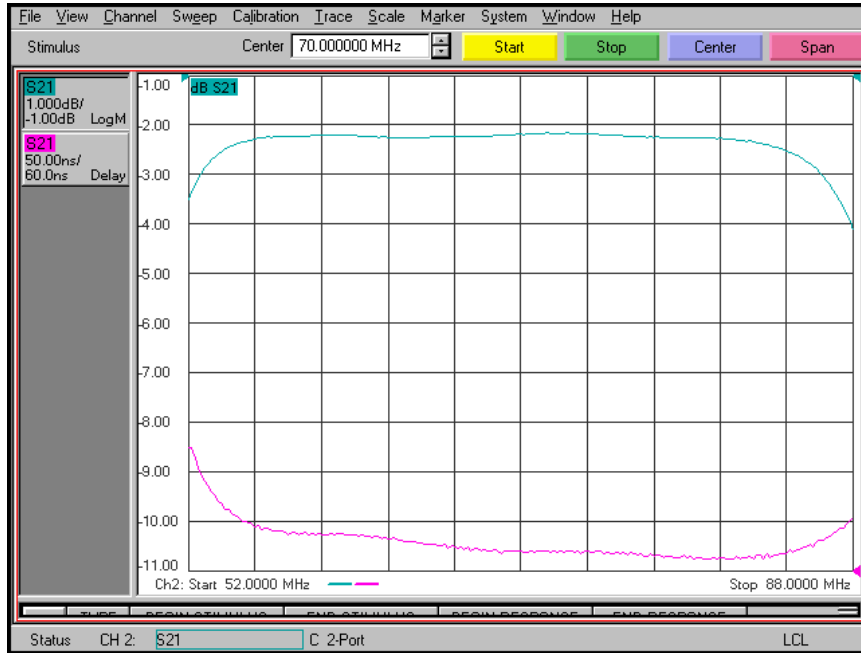
## Typical Performance

### Overall Response (6 dB/div)



Typical Performance

**Passband Amplitude & Group Delay**  
(1 dB/div & 50 nsec/div)



**Overall Response**  
(10 dB/div)



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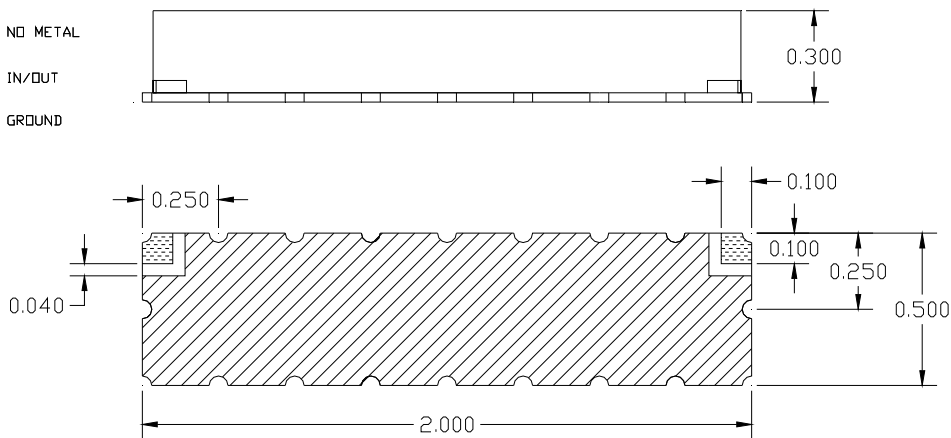
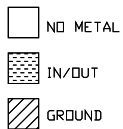
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# KR Electronics 3157-SMD

## Specifications

| Parameter              | Specification  | Notes            |
|------------------------|----------------|------------------|
| Filter type            | Bandpass       |                  |
| Center Frequency (Fc)  | 70 MHz         |                  |
| Insertion Loss (at Fc) | 2.8 dBa max    | 2 dBa typical    |
| 0.5 dBc Bandwidth      | 30 MHz min     | 31.6 MHz typical |
| 1 dBc Bandwidth        | 34 MHz typical |                  |
| 3 dBc Bandwidth        | 37 MHz typical |                  |
| 40 dBc Bandwidth       | 44 MHz typical |                  |
| Rejection at 48 MHz    | 45 dBc min     |                  |
| Rejection at 93 MHz    | 35 dBc min     |                  |
| Source and Load        | 50 $\Omega$    |                  |

## Ph



### Notes:

1. Surface mount package — Metal cover open frame
2. Dimensions in inches
3. Maximum reflow temperature is 230° C for 10 sec maximum
4. If boards are cleaned after installation, units must be completely dried
5. Also available with SMA connectors. See part number 3157-1

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