

## General Description

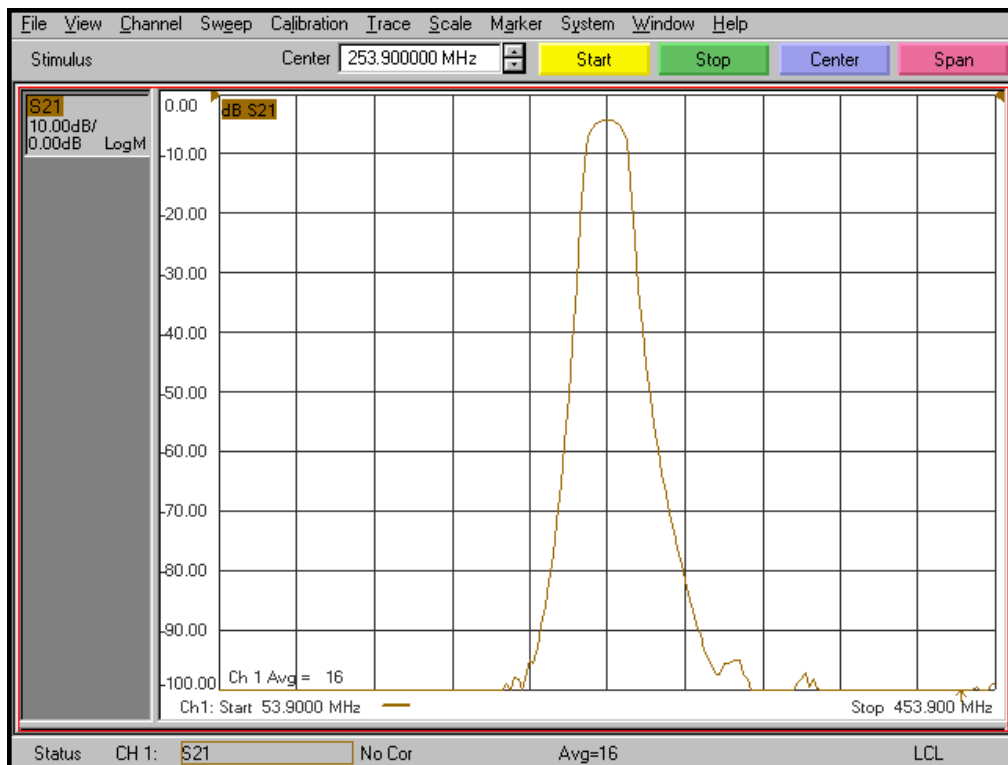
KR Electronics part number 3239-254-50+ is a 253.85 MHz bandpass filter. The filter has a 3 dB bandwidth of 20 MHz. Other frequencies are available. Please consult the factory.

## Features

- 253.85 MHz Bandpass Filter
- 3 dB Bandwidth 20 MHz typical
- 50  $\Omega$  Source and Load
- Surface Mount Package
- SMA Connectors Also Available

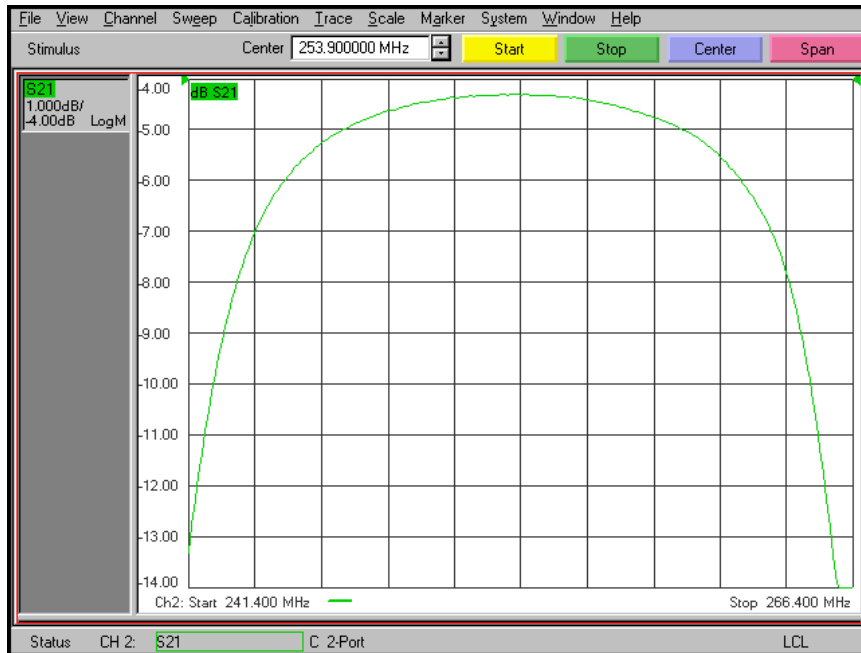
## Typical Performance

### Overall Response (10 dB/div)

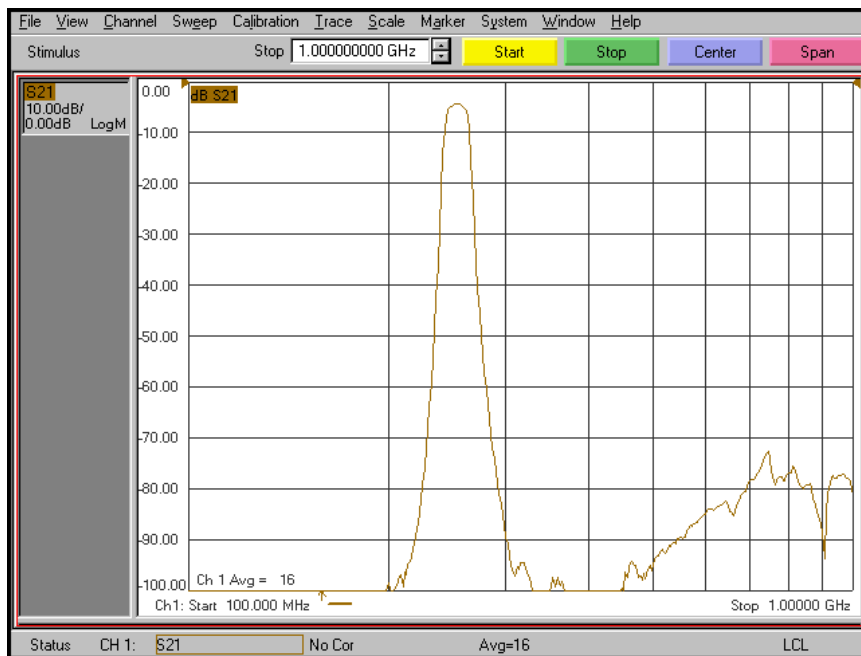


Typical Performance

Passband Amplitude  
(1 dB/div)



Overall Response  
(10 dB/div)

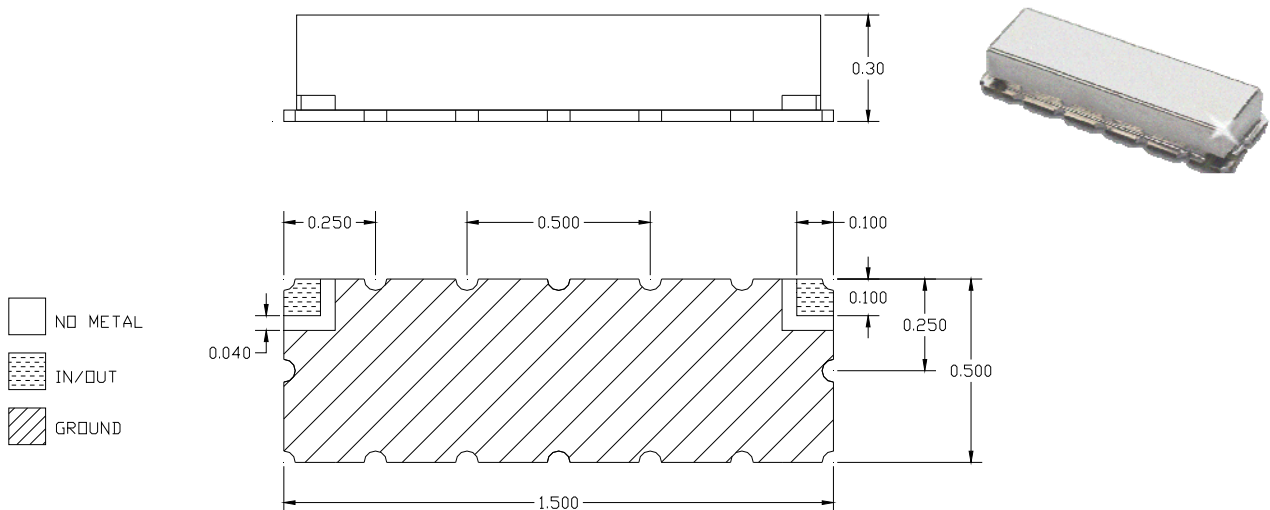


# KR Electronics 3239--254-50+

## Specifications

| Parameter               | Specification  | Notes           |
|-------------------------|----------------|-----------------|
| Filter type             | Bandpass       |                 |
| Center Frequency (Fc)   | 253.85 MHz     |                 |
| Insertion Loss (at Fc)  | 6 dBa max      | 4.3 dBa typical |
| 3 dBc Bandwidth         | 20 MHz ± 2 MHz |                 |
| 40 dB Bandwidth         | 42 MHz max     | 38 MHz typical  |
| 60 dB Bandwidth         | 52 MHz typical |                 |
| Source & Load Impedance | 50 Ω           |                 |
| RoHS                    | Yes            |                 |
|                         |                |                 |
|                         |                |                 |

## Physical Dimensions



**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.