

## General Description

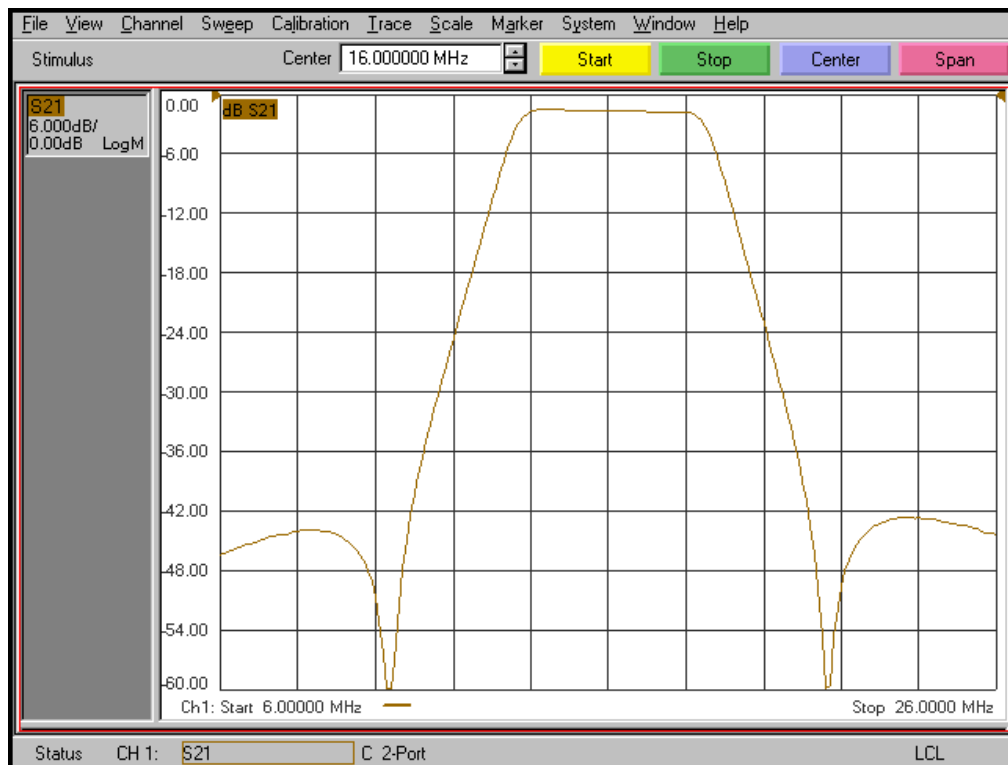
KR Electronics part number 3155 is a 16 MHz bandpass filter. The filter has a min 3 dB bandwidth of 4 MHz. The filter is group delay equalized for linear phase in the pass-band. Elliptic type response for quick transition to the stop-band. Other frequencies are available. Please consult the factory.

## Features

- 16 MHz Bandpass Filter
- 4 MHz min 3 dB Bandwidth
- 8 MHz max 20 dB Bandwidth
- Linear Phase  $\pm 2^\circ$  max
- Elliptic Type Response
- 50  $\Omega$  Source and Load
- Surface Mount Package
- SMA Connectors Also Available

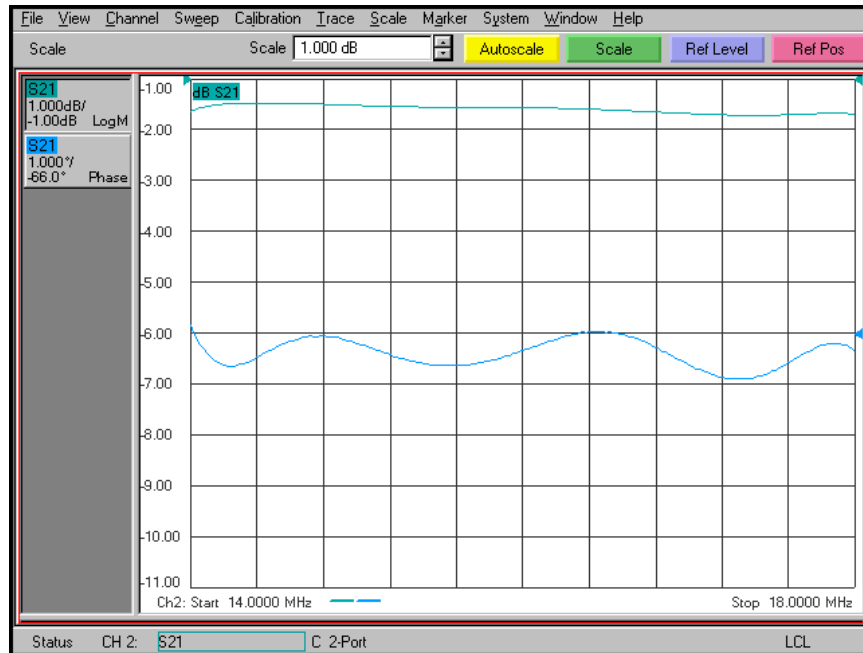
## Typical Performance

### Overall Response (6 dB/div)

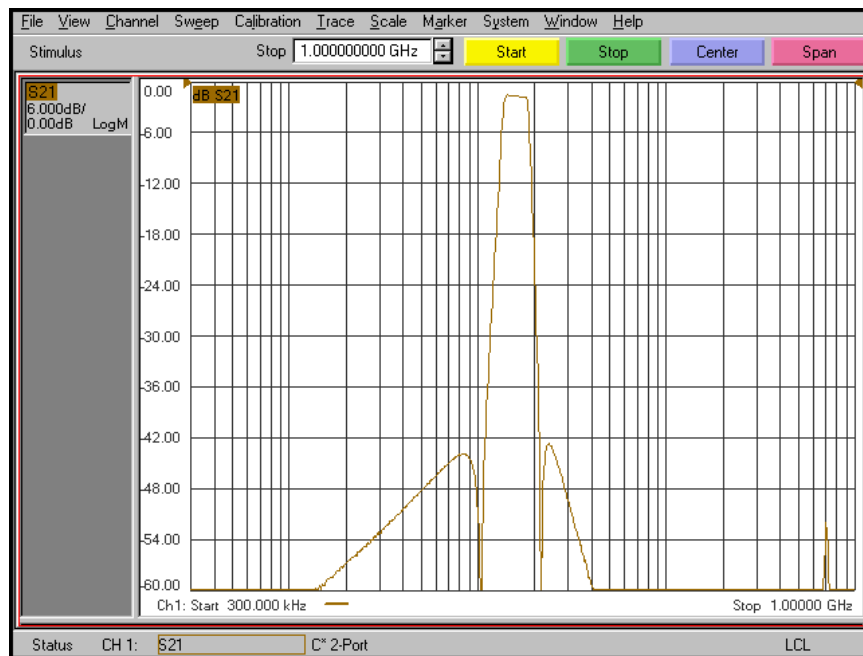


## Typical Performance

### Passband Amplitude & Phase Linearity (1 dB/div & 1°/div)



### Overall Response (6 dB/div)



KR Electronics, Inc.  
91 Avenel Street  
Avenel, NJ 07001

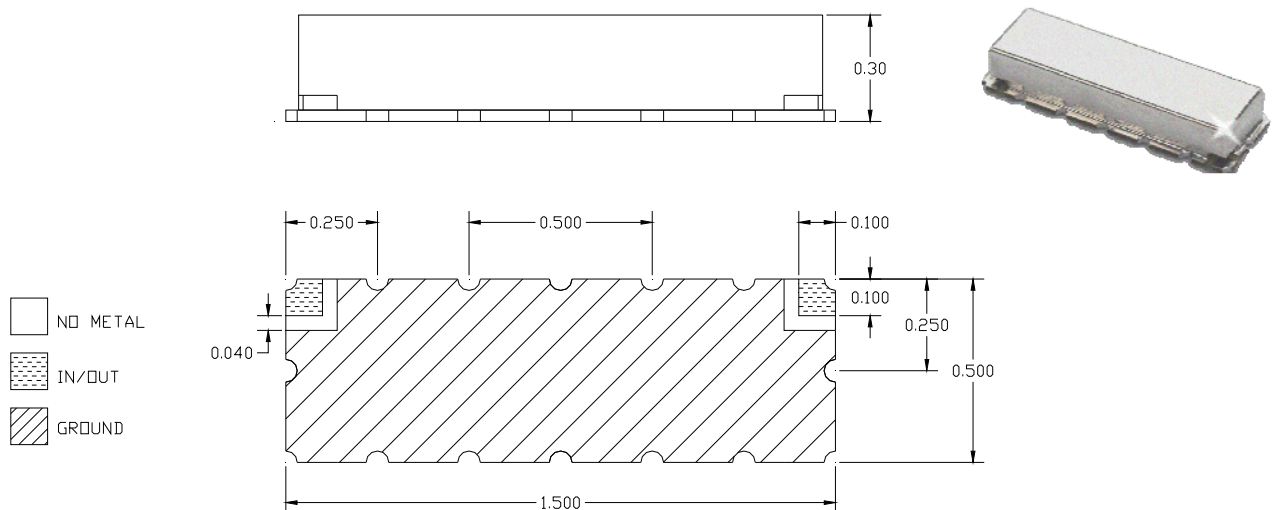
Web [www.krfilters.com](http://www.krfilters.com)  
Email [sales@krfilters.com](mailto:sales@krfilters.com)  
Phone (732) 636-1900  
Fax (732) 636-1982

# KR Electronics 3155

## Specifications

Parameter	Specification	Notes
Filter type	Bandpass	
Center Frequency (Fc)	16 MHz	
Insertion Loss (at Fc)	4 dBa max	< 2 dBa typical
3 dB Bandwidth	4 MHz min	5.1 MHz typical
20 dB Bandwidth	8 MHz max	7.6 MHz typical
40 dB Bandwidth	10 MHz typical	
Phase Linearity 14 MHz to 18 MHz	$\pm 2^\circ$ max	< $\pm 1^\circ$ typical
Source and Load	50 $\Omega$	

## 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.
5. Also available with SMA connectors. See part number 3155-SMA

KR Electronics, Inc.  
91 Avenel Street  
Avenel, NJ 07001

Web [www.krfilters.com](http://www.krfilters.com)  
Email [sales@krfilters.com](mailto:sales@krfilters.com)  
Phone (732) 636-1900  
Fax (732) 636-1982