

# KR Electronics, Inc.

## General Description

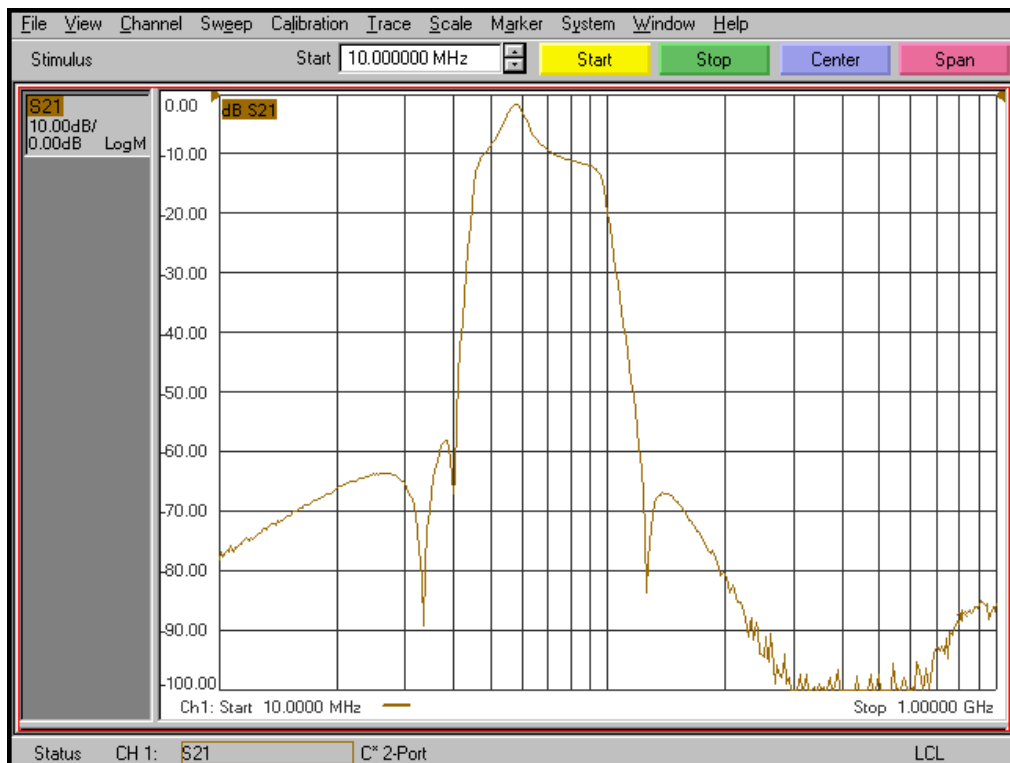
KR Electronics part number 3127 is a 70 MHz bandpass filter. The filter has  $\text{Sin}(x)/x$  correction for a sampling frequency of 55 MHz over the passband from 60 MHz to 80 MHz. Other center frequencies and bandwidths available. Please consult the factory.

## Features

- 70 MHz Bandpass Filter
- Passband 60 MHz to 80 MHz
- $\text{Sin}(x)/x$  Correction,  $F_s=55$  MHz
- Match to ideal within 1 dB max
- 50  $\Omega$  Source and Load
- SMA Connectors

## Typical Performance

### Overall Response (10 dB/div)

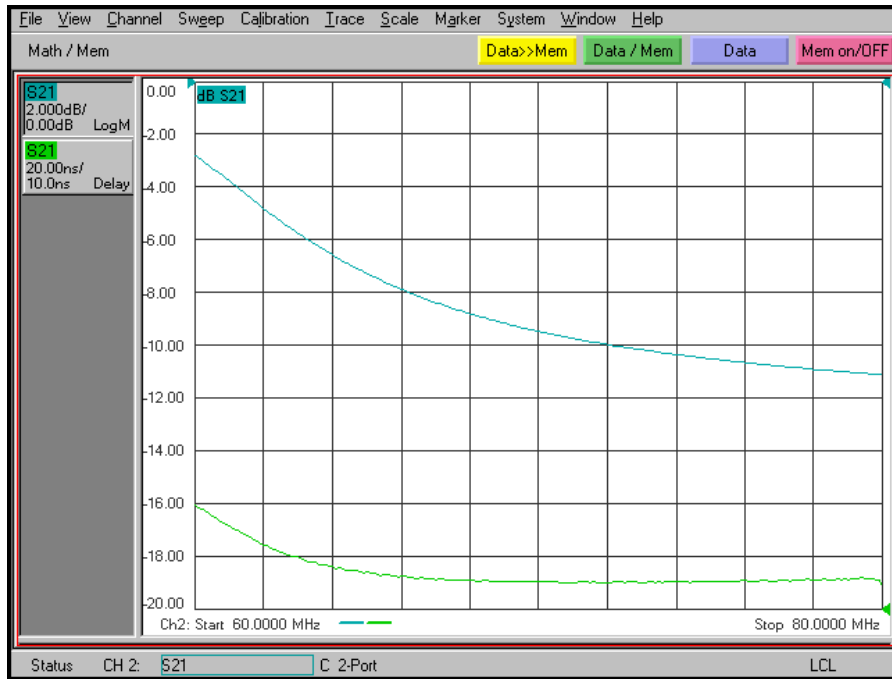


KR Electronics, Inc.  
91 Avenel Street  
Avenel, NJ 07001

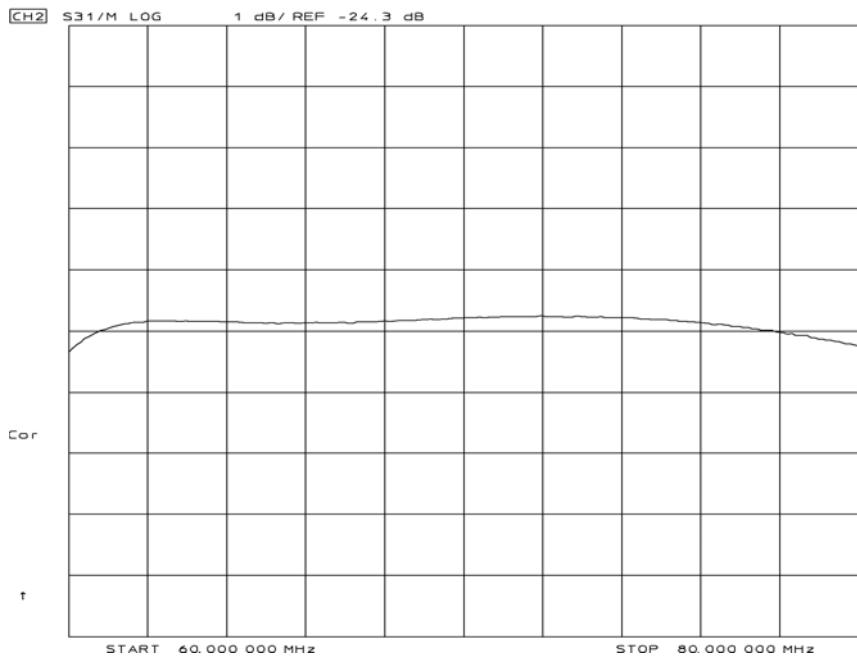
Web [www.krfilters.com](http://www.krfilters.com)  
Email [sales@krfilters.com](mailto:sales@krfilters.com)  
Phone (732) 636-1900  
Fax (732) 636-1982

# KR Electronics 3127

## Passband Amplitude & Group Delay (2 dB/div & 20 nsec/div)



## Effective Passband with Sin(x)/x Added (1 dB/div)



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

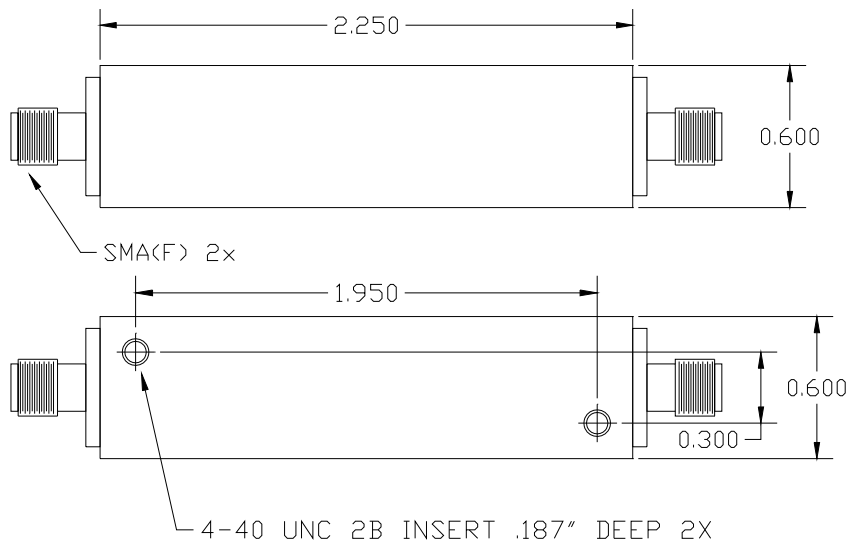
Web [www.krfilters.com](http://www.krfilters.com)  
Email [sales@krfilters.com](mailto:sales@krfilters.com)  
Phone (732) 636-1900  
Fax (732) 636-1982

# KR Electronics 3127

## Specifications

Parameter	Specification	
Filter type	Bandpass	
Passband	60 MHz to 80 MHz	
Insertion Loss at 60 MHz	3.5 dB max	
Sin(x)/x Correction	Yes	Fs=55 MHz
Attenuation at 40 MHz	40 dB min	
Attenuation at 120 MHz	40 dB min	
40 dB Bandwidth	70 MHz typical	Referenced from max output
Source and Load	50 $\Omega$	

## Physical Dimensions



### Notes:

1. Dimensions in inches
2. Rectangular case

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