

# KR Electronics, Inc.

## General Description

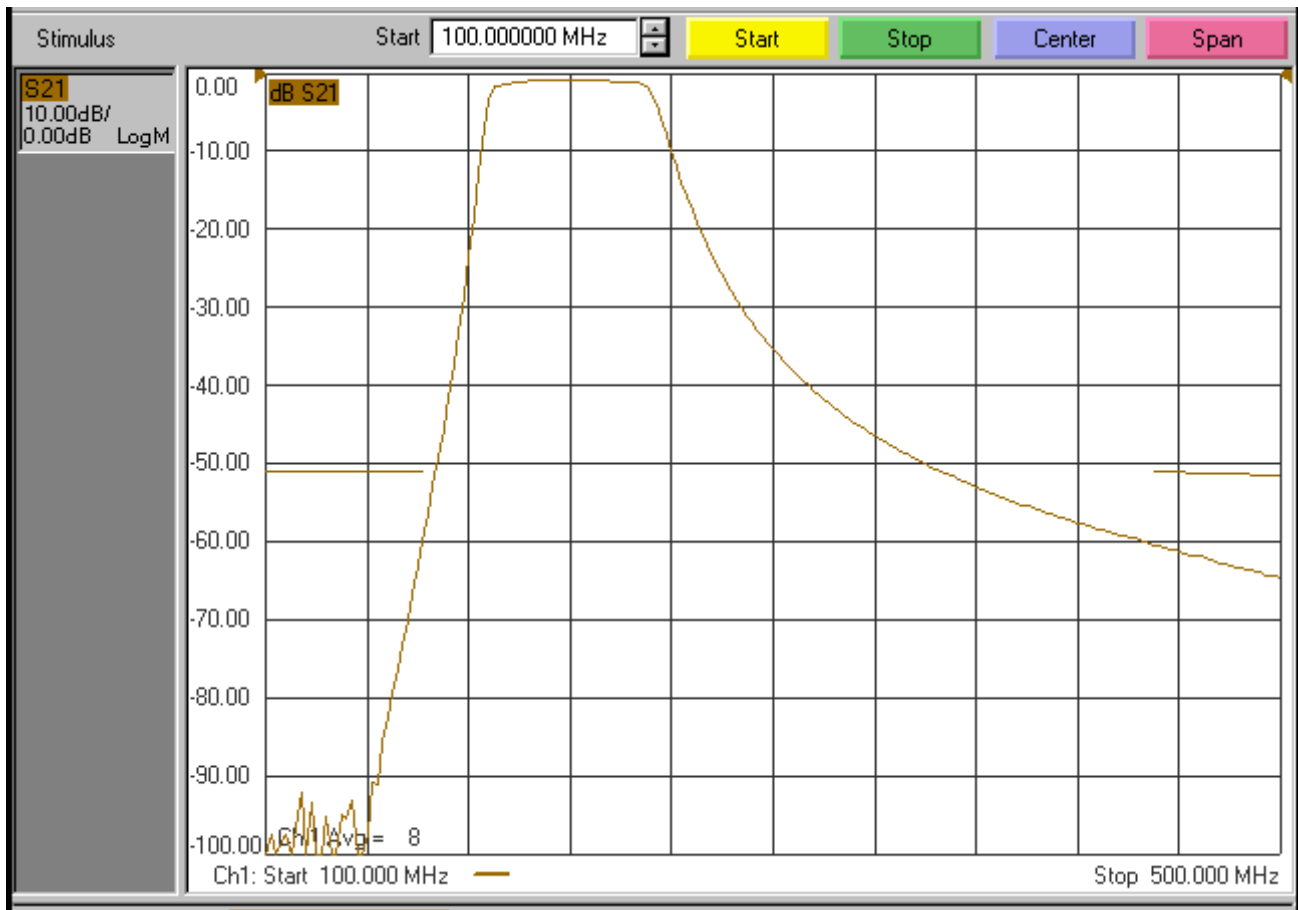
KR Electronics part number 3012-220 is a 220 MHz bandpass filter designed for Positive Train Control PTC applications. Other center frequencies and bandwidths are available. Please consult the factory.

### Features

- 220 MHz Bandpass Filter
- Designed for PTC Applications
- Encapsulated for Enhanced Shock and Vibration Resistance
- 50  $\Omega$  Source and Load
- N(F) to N(M) Connectors

## Typical Performance

### Overall Response (10 dB/div)

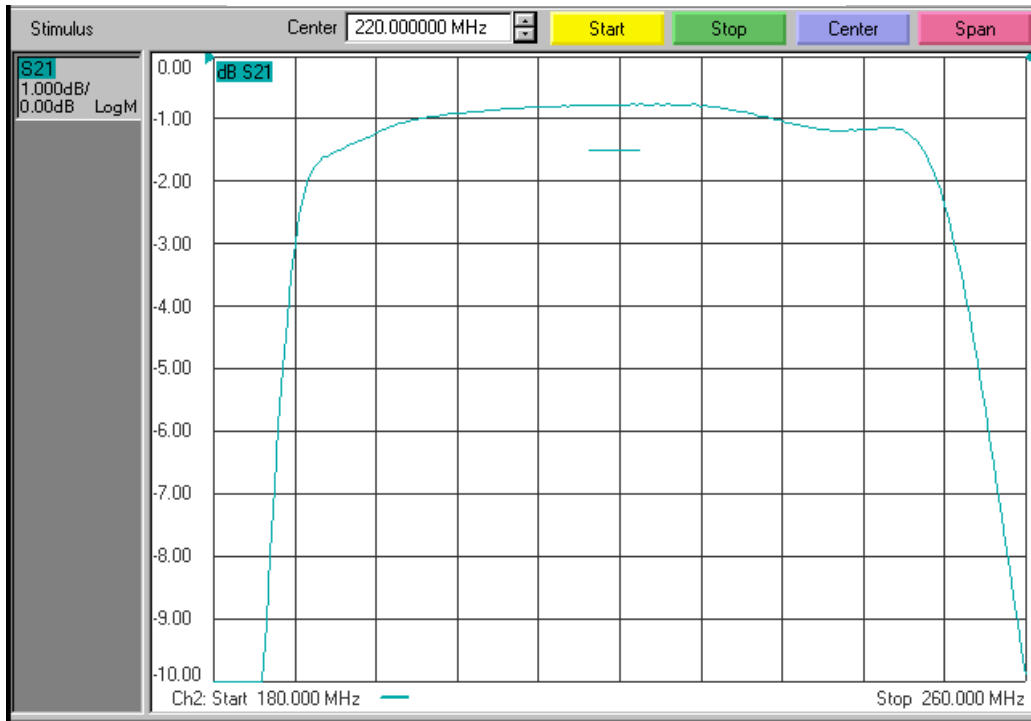


KR Electronics, Inc.  
91 Avenel Street  
Avenel, NJ 07001

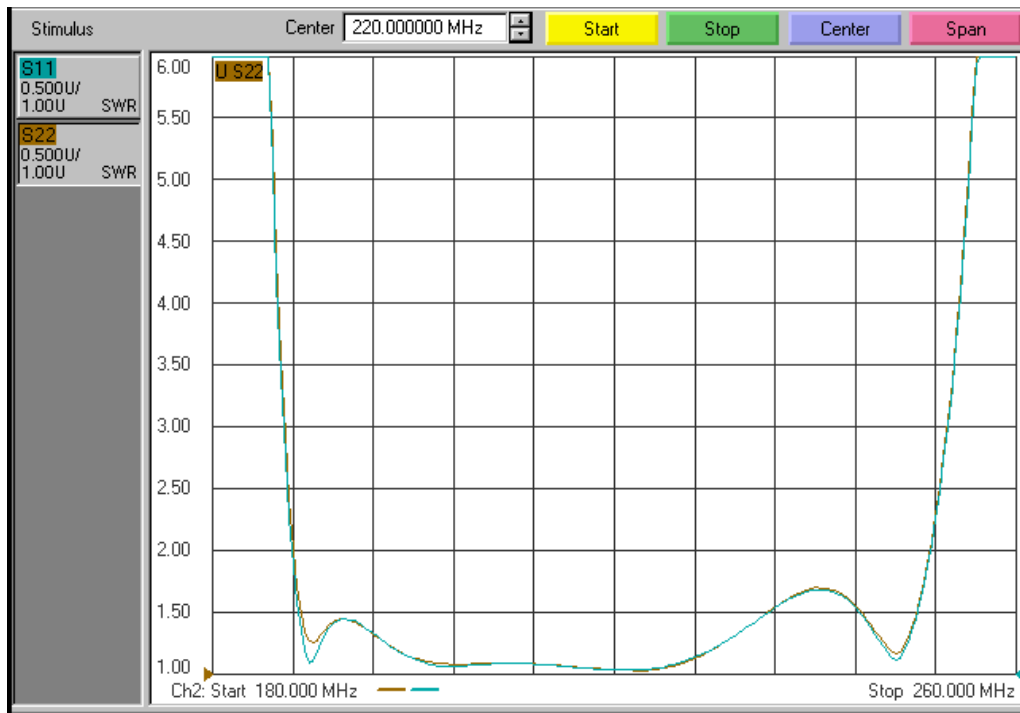
Web [www.krfilters.com](http://www.krfilters.com)  
Email [sales@krfilters.com](mailto:sales@krfilters.com)  
Phone (732) 636-1900  
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# KR Electronics 3012-220

## Passband Amplitude (1 dB/div)



## Passband VSWR



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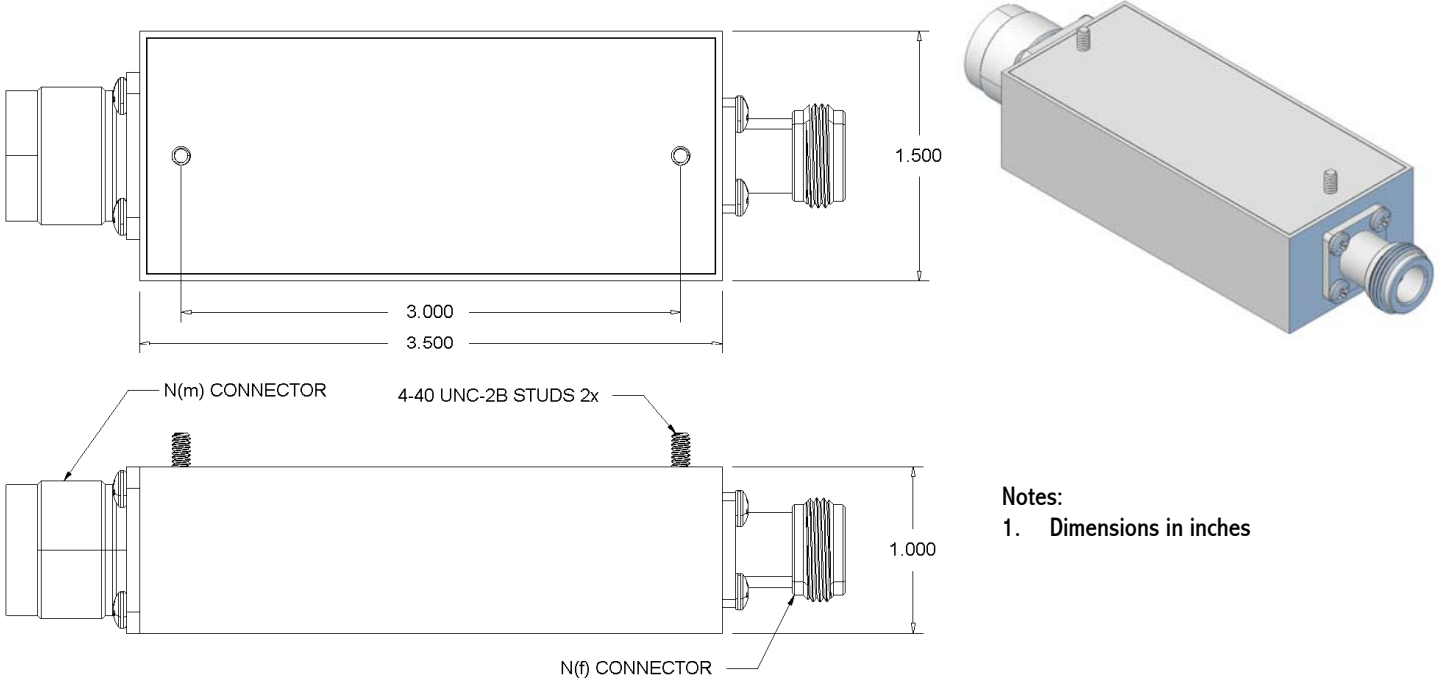
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# KR Electronics 3012-220

## Specifications

Parameter	Specification	Typical/Notes
KR Electronics Part Number	3012-220	
Filter Type	Bandpass	
Insertion Loss 217 to 222 MHz	1.5 dB max	1 dB typical
Rejection at 162.5 MHz	58 dB typical	
Rejection at 450 MHz	58 dB typical	
Maximum Input Power	50 Watts	217 to 222 MHz only
Duty Cycle	5% max	
Source and Load	50 Ω	
Temperature Range	-20°C to +65°C	
Encapsulated for Enhanced Resistance to Shock and Vibration	Thousands successfully installed and operating in the field with major rail companies	

## Physical Dimensions



Notes:  
1. Dimensions in inches

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