

General Description

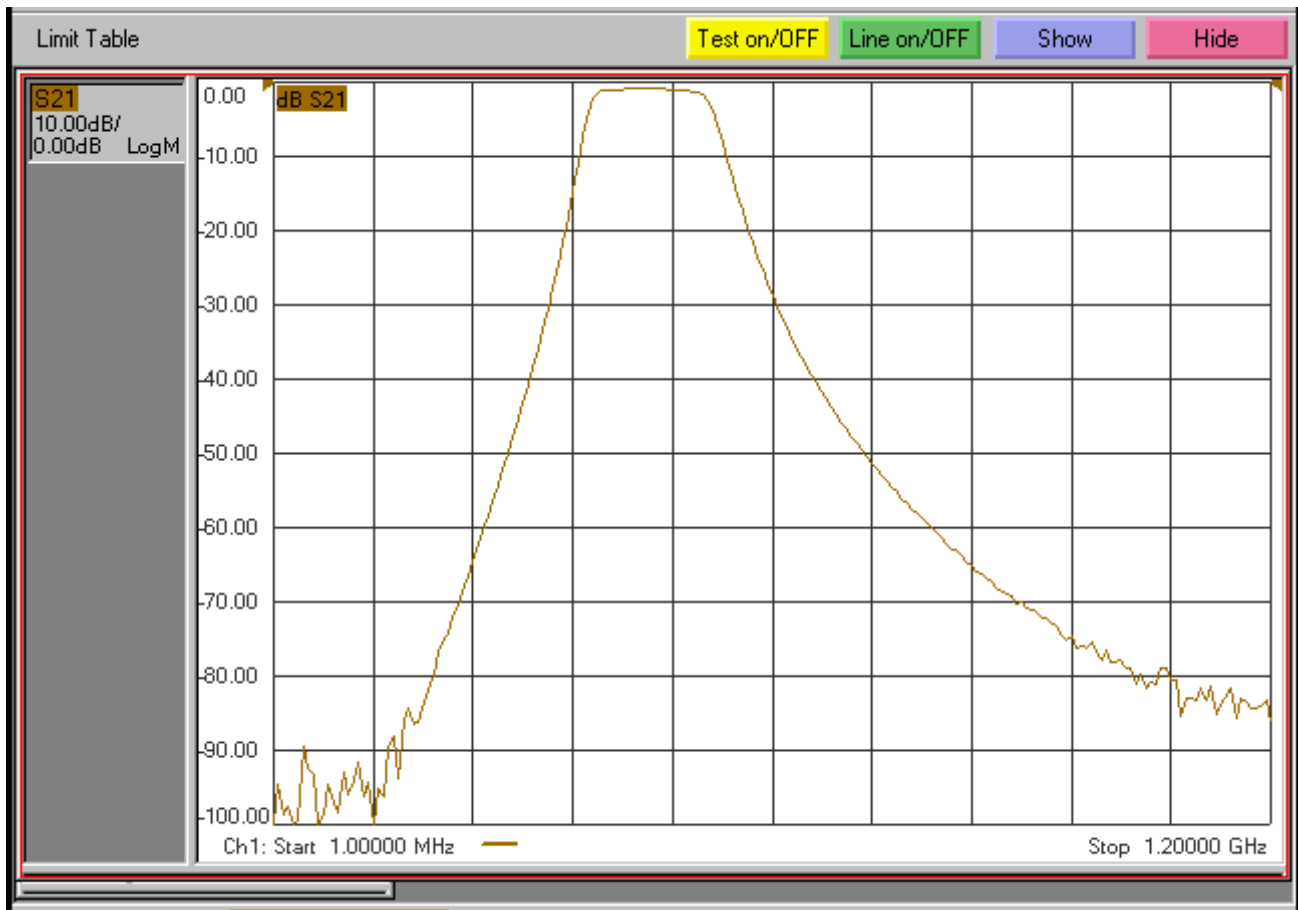
KR Electronics part number 3012-455 is a 455 MHz bandpass filter designed for Positive Train Control PTC applications. Other center frequencies and bandwidths are available. Please consult the factory.

Features

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

Typical Performance

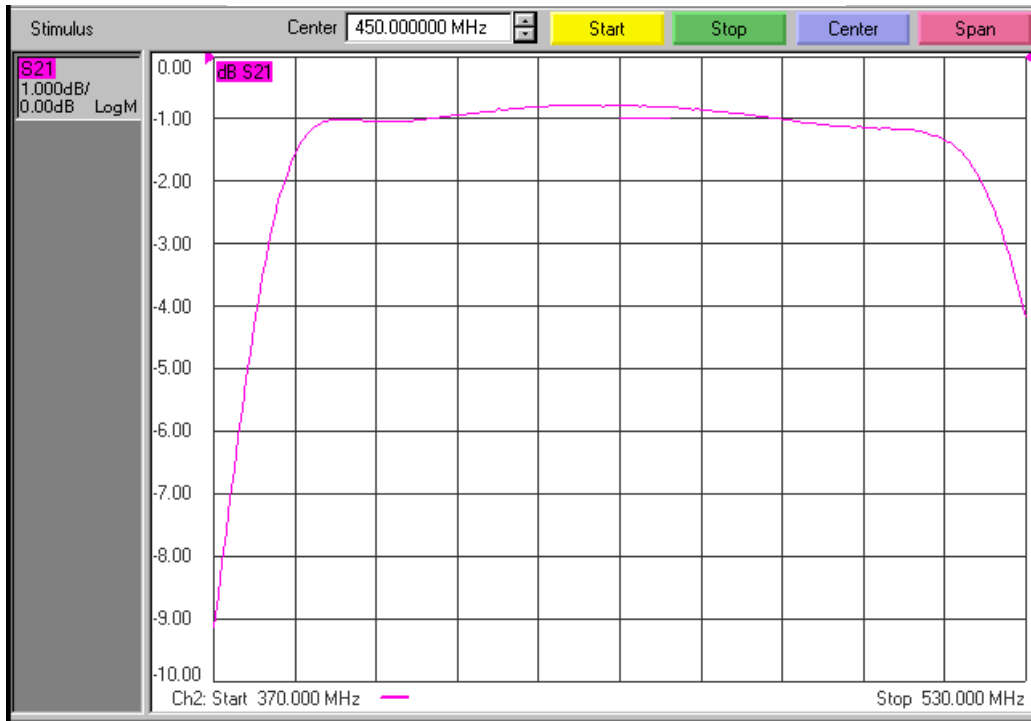
Overall Response
(10 dB/div)



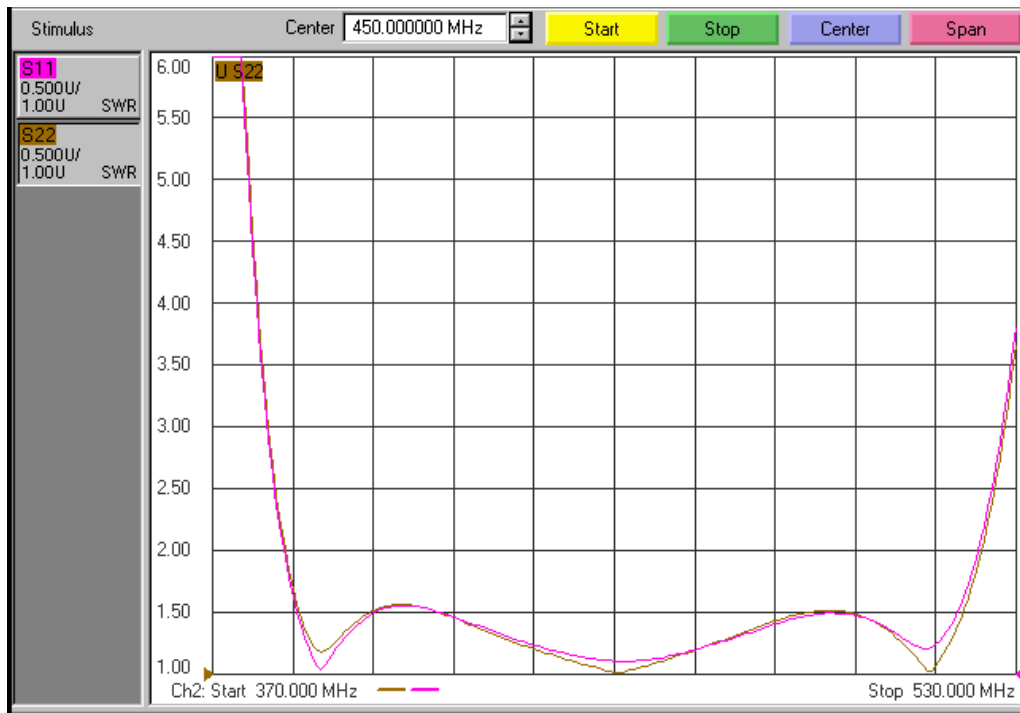
KR Electronics, Inc.
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Avenel, NJ 07001

Web www.krfilters.com
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Phone (732) 636-1900
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Passband Amplitude
(1 dB/div)



Passband VSWR

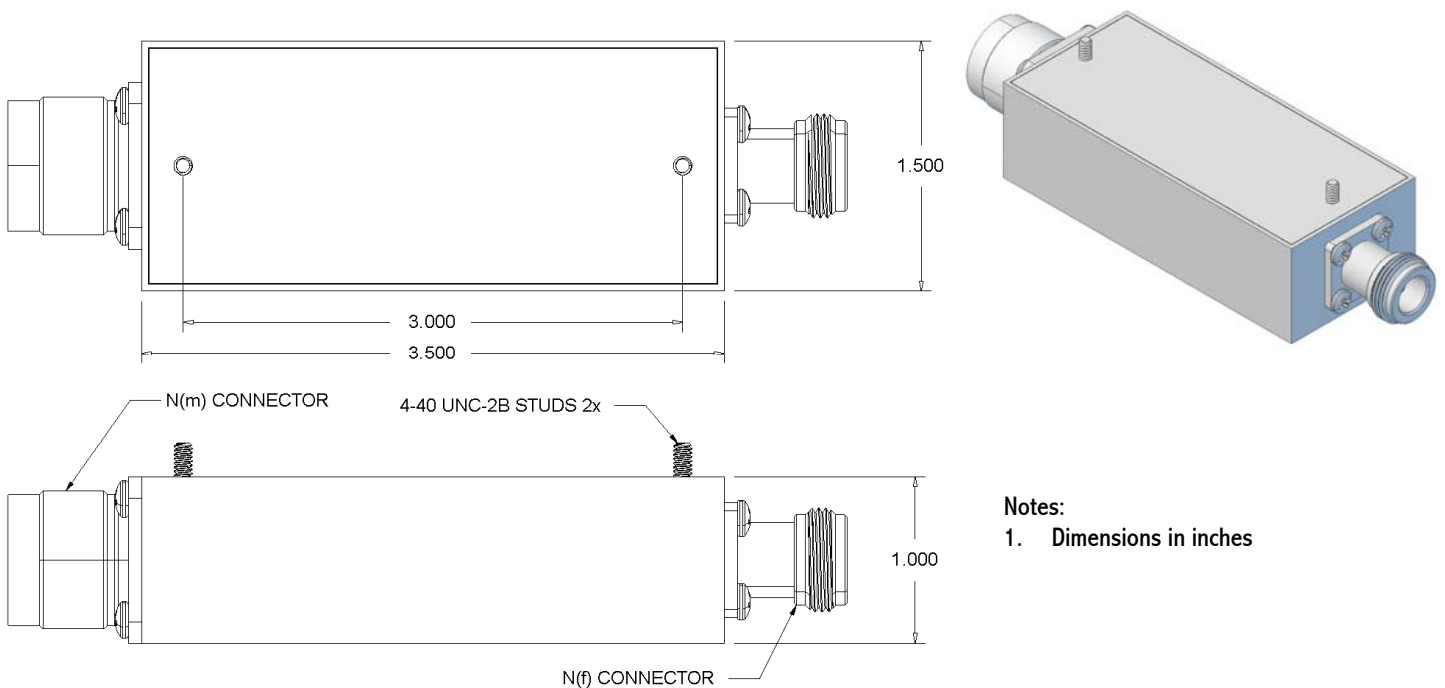


KR Electronics 3012-455

Specifications

Parameter	Specification	Typical/Notes
KR Electronics Part Number	3012-455	
Filter Type	Bandpass	
Insertion Loss 450 to 460 MHz	1.2 dB max	0.8 dB typical
Rejection at 222 MHz	60 dB min	
Rejection at 896 MHz	60 dB min	
Maximum Input Power	30 Watts	450 to 460 MHz only
Duty Cycle	20% 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



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