

## General Description

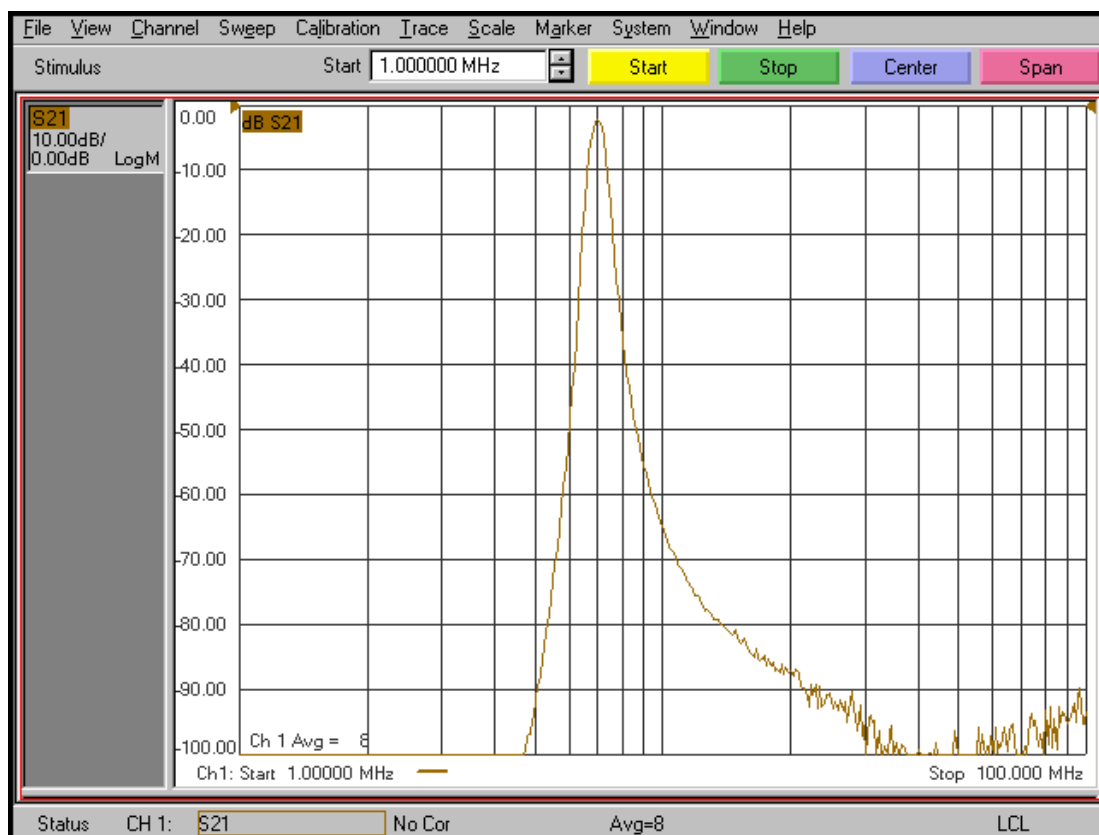
KR Electronics part number 3207 is a 7 MHz linear phase band-pass filter. The filter has a 3 dB bandwidth of 475 KHz. Other center frequencies and are bandwidths available. Please consult the factory.

### Features

- 7 MHz Linear Phase Bandpass
- 3 dB Bandwidth 475 KHz
- 50  $\Omega$  Source and Load
- Surface Mount
- SMA Connectors Available

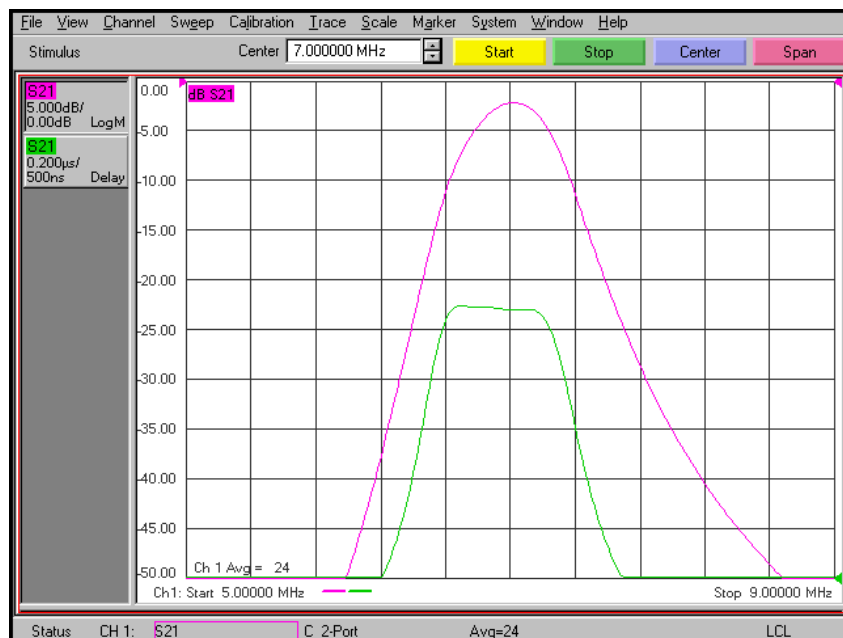
## Typical Performance

### Overall Response (10 dB/div)

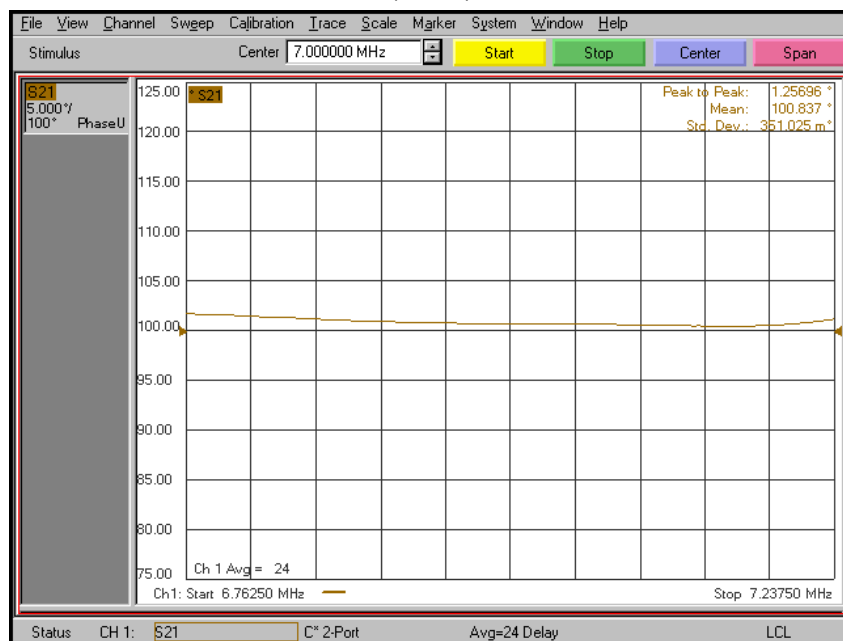


## Typical Performance

### Amplitude & Group Delay (5 dB/div & 200 nsec/div)



### Passband Phase Linearity (5°/div)



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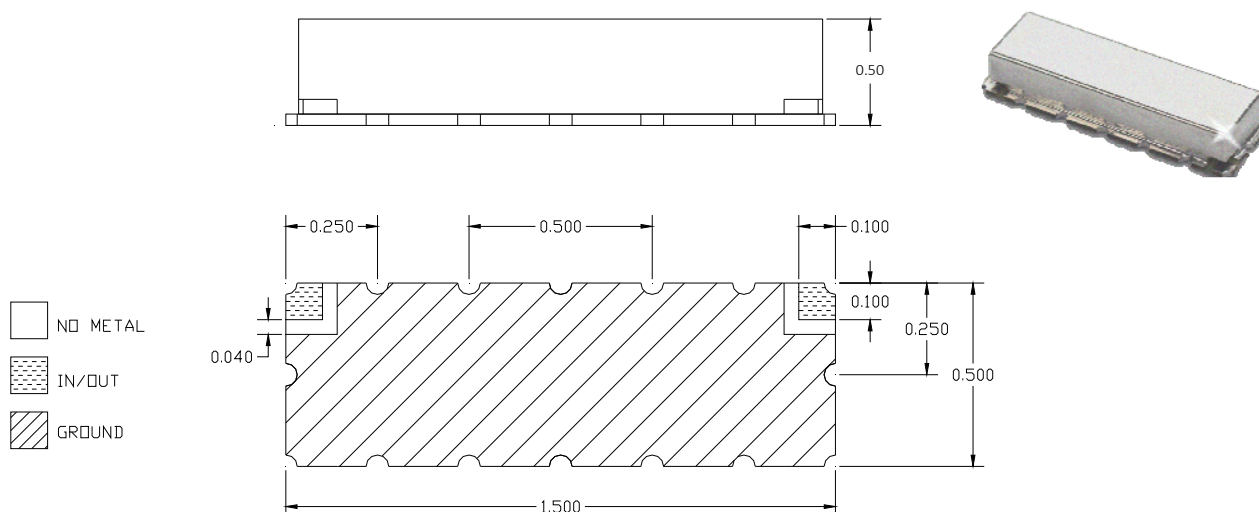
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# KR Electronics 3207

## Specifications

Parameter	Specification	
Filter type	Bandpass	
Center Frequency	7 MHz	
Insertion Loss	3.5 dB max	2 dB typical
3 dB Bandwidth	475 KHz typical	3 dB ±0.5 dB at 6.7625 MHz 3 dB ±0.5 dB at 7.2375 MHz
20 dB Bandwidth	1.2 MHz typical	
40 dB Bandwidth	2.14 MHz typical	
60 dB Bandwidth	3.9 MHz typical	
Source and Load	50 Ω	

## 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 3207-SMA

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