

## General Description

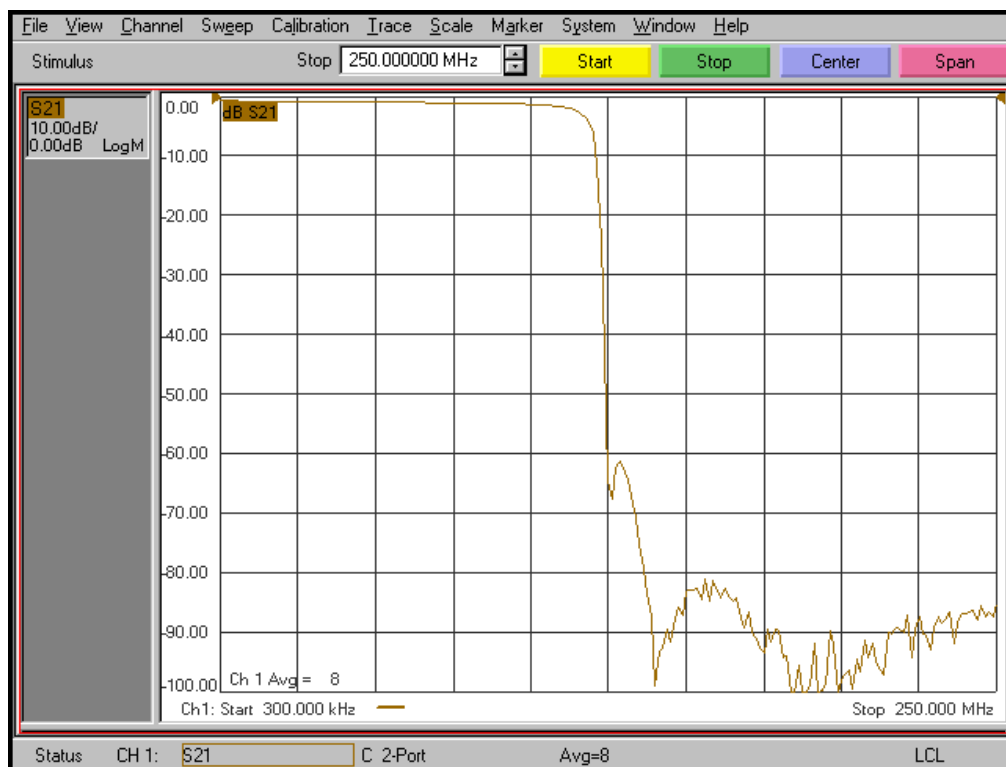
KR Electronics part number 3230-SMA is a 112.5 MHz group delay equalized lowpass filter. The filter has a minimum 2 dB bandwidth of 112.5 MHz. Other frequencies are available. Please consult the factory.

## Features

- 112.5 MHz Lowpass Filter
- Group Delay Equalized for Linear Phase
- Sharp Elliptic Response
- Typically 60 dB Rejection at 125 MHz
- 50  $\Omega$  Source and Load
- SMA Connectors Surface Mount Also Available

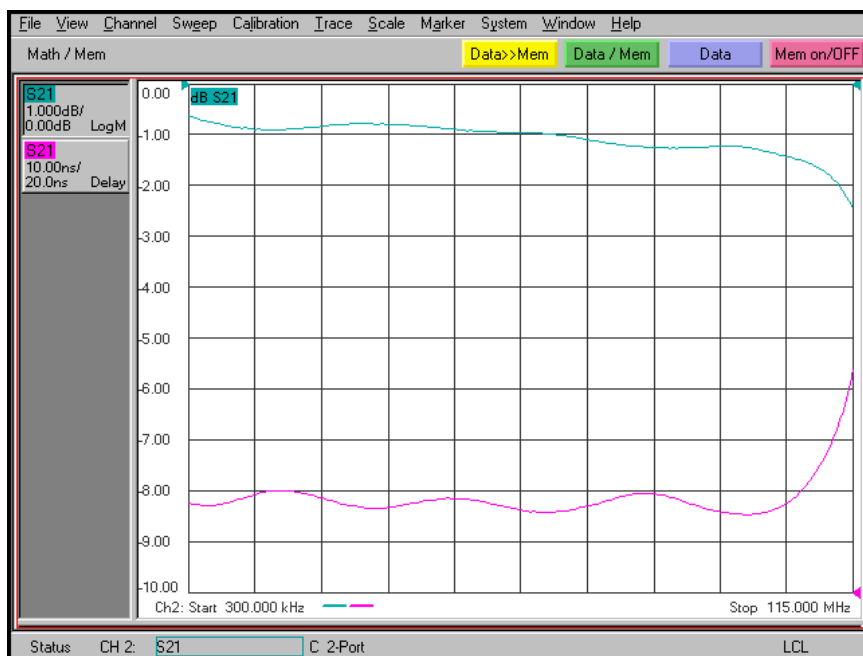
## Typical Performance

### Overall Response (10 dB/div)

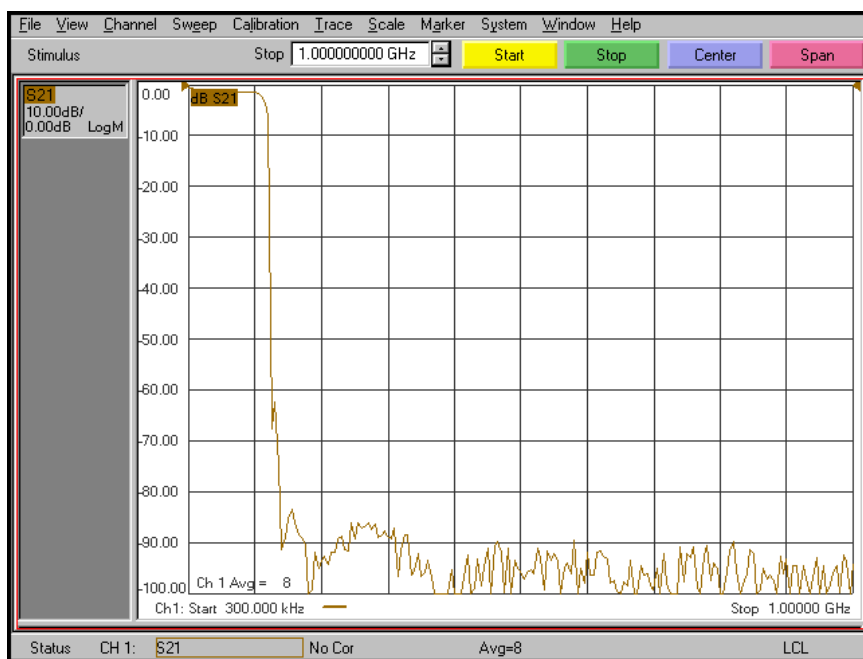


## Typical Performance

### Passband Amplitude & Group Delay (1 dB/div & 10 nsec/div)



### Overall Response (10 dB/div )



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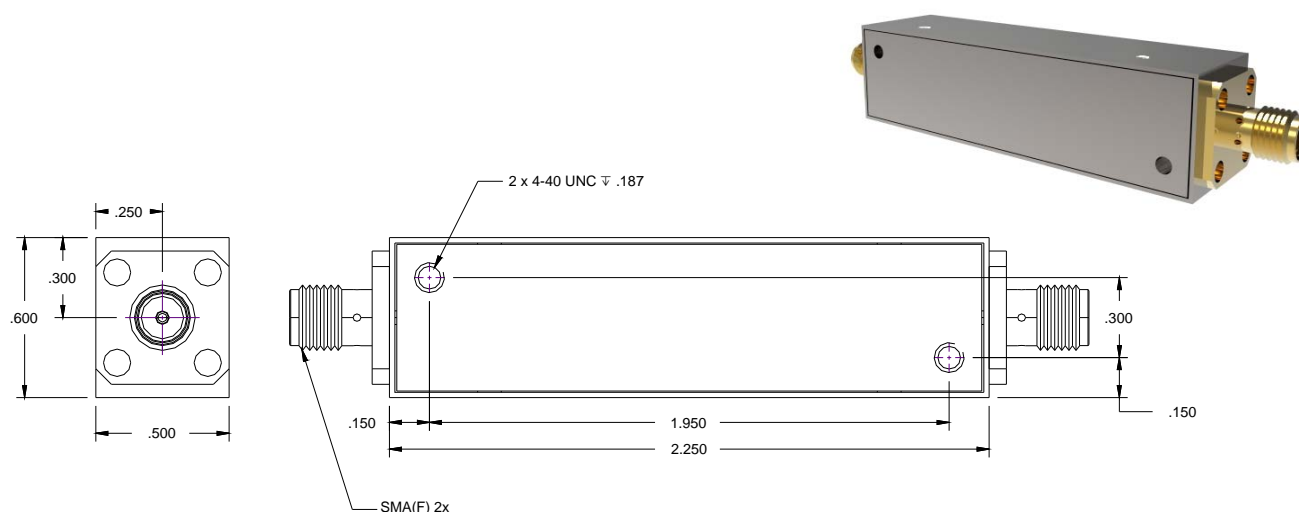
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## KR Electronics 3230-SMA

### Specifications

Parameter	Specification	Notes
Filter type	Lowpass	
Insertion Loss at 100 KHz	2 dBA max	< 1 dBA typical
Rejection at 112.5 MHz	2 dBc max	1.3 dBc typical
Rejection at 125 MHz	45 dBc min	60 dBc typical
Rejection at 138-1000 MHz	60 dBc min	>80 dBc typical
Group Delay Variation to 100 MHz	10 nsec max	4.7 nsec typical
Group Delay Variation to 112.5 MHz	30 nsec max	17 nsec typical
Source and Load	50 $\Omega$	

### Physical Dimensions



#### Notes:

1. Dimensions in inches
2. Rectangular case
3. Also available in surface mount package

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