

## KR Electronics, Inc.

### General Description

KR Electronics part number 3135-70-30 is a 70 MHz group delay equalized bandpass filter. The filter has a min 1 dB bandwidth of 30 MHz. Other frequencies are available. Please consult the factory.

### Features

- 70 MHz Bandpass Filter
- 30 MHz Bandwidth
- Sharp Elliptic Transition to Stopband
- Group Delay Equalized for Linear Phase
- 50  $\Omega$  Source and Load
- Surface Mount Package
- Also Available with SMA Connectors

### Typical Performance

#### Overall Response

(10 dB/div)



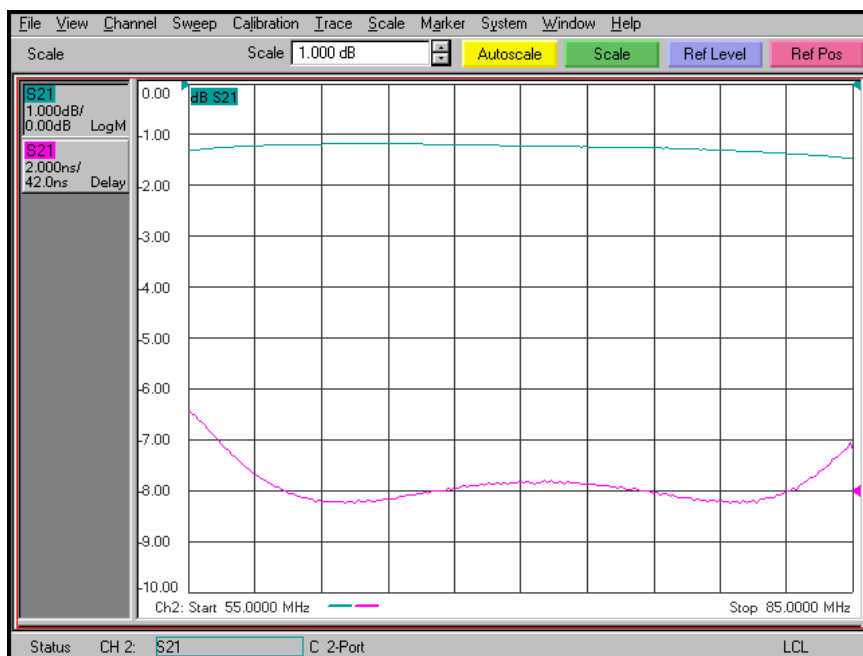
KR Electronics, Inc.  
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## Typical Performance

### Passband Amplitude & Group Delay

(1 dB/div & 2 nsec/div)



### Overall Response

(10 dB/div)



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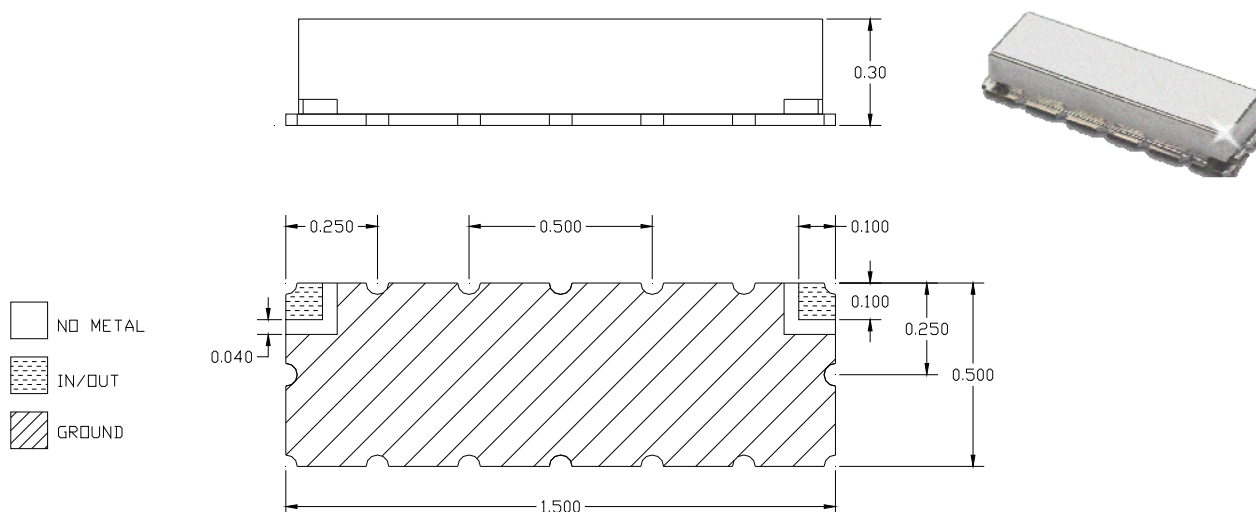
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## Specifications

Parameter	Specification	Notes
Filter type	Bandpass	
Center Frequency (Fc)	70 MHz	
Insertion Loss (at Fc)	2.5 dBa max	1.5 dBa typical
Attenuation at 55 MHz	1 dBc max	Relative to Insertion Loss at Fc
Attenuation at 85 MHz	1 dBc max	Relative to Insertion Loss at Fc
1 dBc Bandwidth	30 MHz min	42 MHz typical
45 dBc Bandwidth	70 MHz max	66.5 MHz typical
Source and Load	50 $\Omega$	

## 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.

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