KR Electronics, Inc.

www.krfilters.com

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General Description

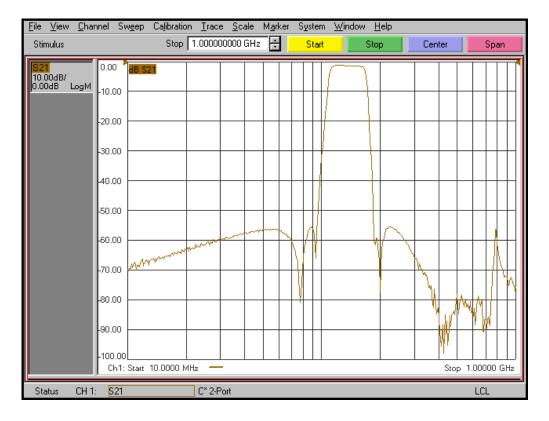
KR Electronics part number 3135-140-40 is a 140 MHz group delay equalized bandpass filter. The filter has a min 1 dB bandwidth of 40 MHz. Other frequencies are available. Please consult the factory.

Features

- 140 MHz Bandpass Filter
- 40 MHz Bandwidth
- Sharp Elliptic Transition to Stopband
- Group Delay Equalized for Linear Phase
- 50 Ω Source and Load
- Surface Mount Package
- Also Available with SMA Connectors

Typical Performance

Overall Response (10 dB/div)



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Typical Performance

<u>File View Channel Sweep Calibration Trace Scale Marker System Window Help</u> Center 140.000000 MHz ÷ Start Stimulus Stop Center Span dB S21 0.00 1.000dB/ 0.00dB LogM -1.00 <mark>821</mark> 5.000ns/ 25.0ns Delay 2.00 3.00 4.00 5.00 6.00 7.00 8.00 la nn 10.00 Stop 160.000 MHz Ch2: Start 120.000 MHz CH 2: S21 C 2-Port LCL Status

Passband Amplitude & Group Delay

(1 dB/div & 5 nsec/div)

Overall Response (10 dB/div)



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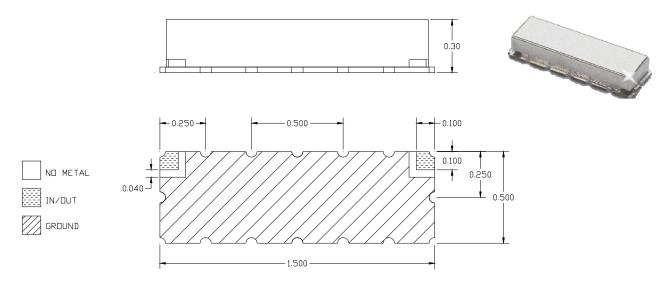
(732) 636-1982

KR Electronics 3135-140-40

Specifications

Parameter	Specification	Notes	
Filter type	Bandpass		
Center Frequency (Fc)	140 MHz		
Insertion Loss (at Fc)	2.5 dBa max	1.5 dBa typical	
Attenuation at 120 MHz	1 dBc max	Relative to Insertion Loss at Fc	
Attenuation at 160 MHz	1 dBc max	Relative to Insertion Loss at Fc	
1 dBc Bandwidth	40 MHz min	53 MHz typical	
45 dBc Bandwidth	90 MHz max	87 MHz typical	
Source and Load	50 Ω		
	50 12		

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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