KR Electronics, Inc.

General Description

KR Electronics part number 3209 is a 375 MHz bandpass filter. The filter has a minimum 3 dB bandwidth of 220 MHz and a maximum 60 dB bandwidth of 355 MHz. Other center frequencies and are bandwidths available. Please consult the factory.

Features

- 375 MHz Bandpass
- 3 dB Bandwidth 220 MHz min
- Highly Selective Elliptic Type
- 50 Ω Source and Load
- Surface Mount
- SMA Connectors Available

Typical Performance

Channel Sweep Calibration Trace Scale Marker System Window Help <u>File View</u> Center 500.150000 MHz ÷ Start Stimulus Stop Center Span 0.00 dB S21 10.00dB/ 0.00dB LogM 10.00 -20.00 -30.00 40.00 -50.00 -60.00 -70.00 -80.00 -90.00 100.00 Ch 1 Avg = 8 Ch1: Start 300.000 kHz Stop 1.00000 GHz CH 1: S21 C 2-Port LCL Status Avg=8

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Overall Response (10 dB/div)

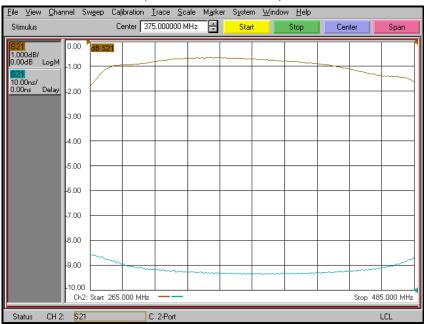
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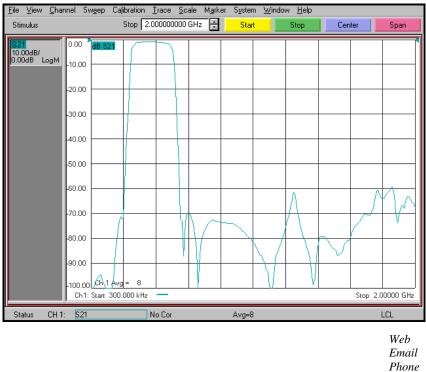
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Typical Performance

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



Overall Response (10 dB/div)



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Fax

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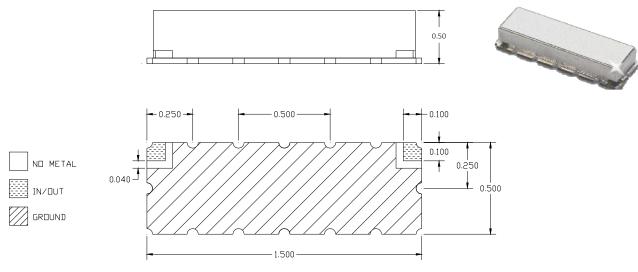
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KR Electronics 3209

Specifications

Parameter	Specification	
Filter type	Bandpass	
Center Frequency	375 MHz	
Insertion Loss	1.5 dB max	< 1 dB typical
1 dB Bandwidth	216 MHz typical	
3 dB Bandwidth	220 MHz min	253 MHz typical
40 dB Bandwidth	314 MHz typical	
60 dB Bandwidth	355 MHz max	339 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

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