## KR Electronics, Inc.

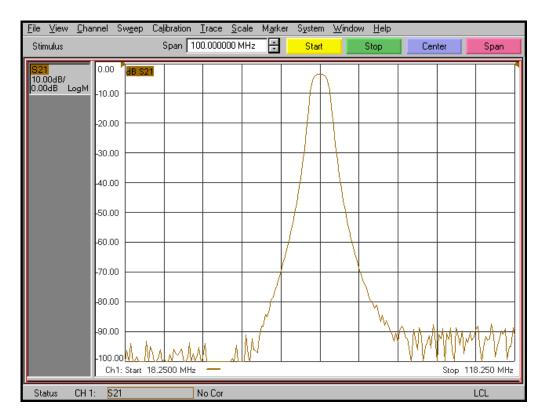
### **General Description**

KR Electronics part number 3121 is a 68.25 MHz bandpass filter. The filter has a typical 3 dB bandwidth of 4.5 MHz. Other center frequencies and bandwidths are available. Please consult the factory.

#### Features

- 68.25 MHz Bandpass Filter
- 4.5 MHz typical 3 dB Bandwidth
- 50  $\Omega$  Source and Load
- Surface Mount
- Also available with SMA Connectors

### **Typical Performance**



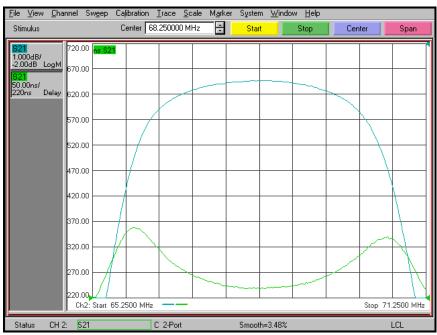
#### Overall Response (10 dB/div)

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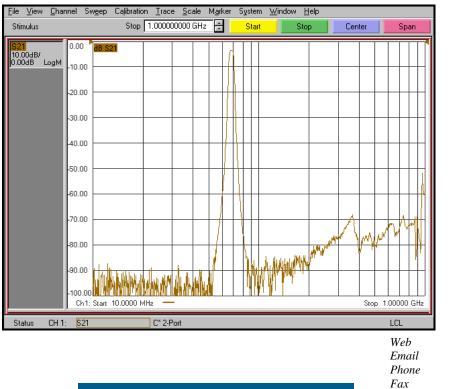
## **Typical Performance**



## Passband Amplitude & Group Delay

(1 dB/div & 50 nsec/div)

#### Overall Response (10 dB/div)



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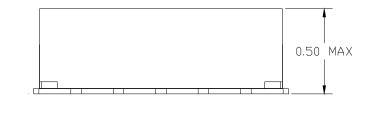
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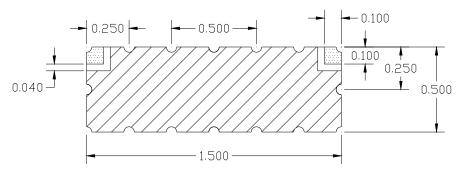
## **KR Electronics 3121**

## **Specifications**

Center Frequency68.25 MHzInsertion Loss5.5 dBa max3.5 dBa typical3 dBc Bandwidth4.4 to 4.6 MHz40 dBc Bandwidth11.4 MHz typical60 dBc Bandwidth17.85 MHz typical	Parameter	Specification	Notes
Insertion Loss5.5 dBa max3.5 dBa typical3 dBc Bandwidth4.4 to 4.6 MHz40 dBc Bandwidth11.4 MHz typical60 dBc Bandwidth17.85 MHz typical	Filter type	Bandpass	
3 dBc Bandwidth4.4 to 4.6 MHz40 dBc Bandwidth11.4 MHz typical60 dBc Bandwidth17.85 MHz typical	Center Frequency	68.25 MHz	
40 dBc Bandwidth11.4 MHz typical60 dBc Bandwidth17.85 MHz typical	Insertion Loss	5.5 dBa max	3.5 dBa typical
60 dBc Bandwidth 17.85 MHz typical	3 dBc Bandwidth	4.4 to 4.6 MHz	
· ·	40 dBc Bandwidth	11.4 MHz typical	
Source and Load 50 Ω	60 dBc Bandwidth	17.85 MHz typical	
	Source and Load	50 Ω	

## **Physical Dimensions**





#### Notes:

- 1. Surface mount package Metal cover
- 2. Dimensions in inches
- 3. Maximum reflow temperature is 230° C for 10 sec maximum.
- 4. If boards are cleaned after installation, dry units completely.

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