# KR Electronics, Inc.

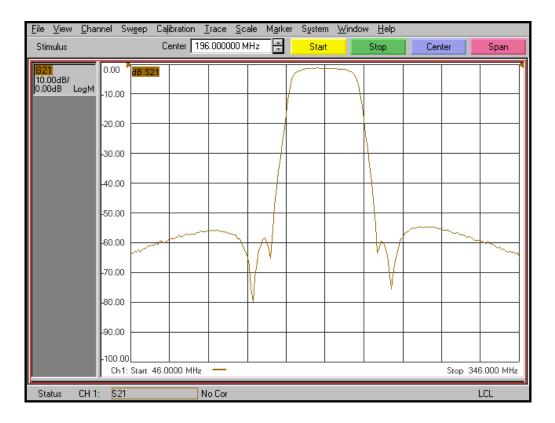
#### **General Description**

KR Electronics part number 2825-S2 is a 196 MHz bandpass filter. The filter has a minimum 3 dB bandwidth of 40 MHz and a maximum 50 dB bandwidth of 82 MHz. Other center frequencies and bandwidths are available. Please consult the factory.

#### Features

- 196 MHz Bandpass Filter
- 40 MHz min 3 dB Bandwidth
- 82 MHz max 50 dB Bandwidth
- Sharp Elliptic Type Design
- 50  $\Omega$  Source and Load
- Surface mount
- Also available with SMA Connectors

#### **Typical Performance**



Overall Response (10 dB/div)

KR Electronics, Inc. 91 Avenel Street Avenel, NJ 07001	Web Email Phone Fax	www.krfilters.com sales@krfilters.com (732) 636-1900 (732) 636-1982

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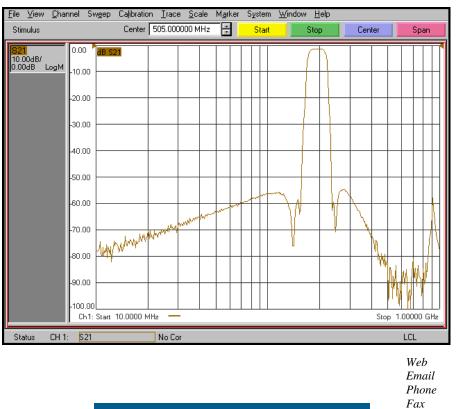
# **KR Electronics 2825-S2**

<u>F</u> ile <u>V</u> iew <u>C</u> hannel S Scale	Sw <u>e</u> ep Ca <u>l</u> ibration ] Ref Position 10.		r System <u>W</u> indow <u>H</u> elp Autoscale Scale	Ref Level Ref Pos
Scale				
S21 0.00 1.000dB/	dB S21			
0.00dB LogM <b>S21</b>				
020 10.00ns/ 0.00ns Delay -2.00				
-3.00				
-4.00				
-5.00				
-6.00				
-7.00				
-8.00				
-9.00				
-10.00 Cb2	2: Start 176.000 MHz			Stop 216.000 MHz
,				
Status CH 2: S21	1 C	2-Port		LCL

## Passband Amplitude & Group Delay

(1 dB/div & 10 nsec/div)

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



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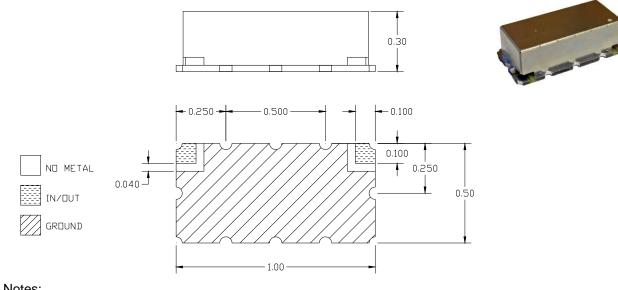
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# **KR Electronics 2825-S2**

### **Specifications**

Parameter	Specification	
Filter type	Bandpass	
Center Frequency	196 MHz	
Insertion Loss	2.5 dB max	1.25 dB typical
3 dB Bandwidth	40 MHz min	50 MHz typical
50 dB Bandwidth	82 MHz max	78.7 MHz typical
Source and Load	50 Ω	

### **Physical Dimensions**



### Notes:

- 1. Surface mount package
- 2. Dimensions in inches
- 3. Max reflow temperature 230° C for 10 sec
- 4. If boards are cleaned after installation units must be completely dried

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