KR Electronics, Inc.

General Description

KR Electronics part number 3079 is a 425 MHz bandpass filter. The filter has a minimum 1 dB bandwidth of 70 MHz. Other center frequencies and bandwidths are available. Please consult the factory.

Features

- 425 MHz Bandpass Filter
- 70 MHz min 1 dB Bandwidth
- 50 Ω Source and Load
- Surface mount
- Also available with SMA Connectors

Typical Performance



Overall Response (10 dB/div)

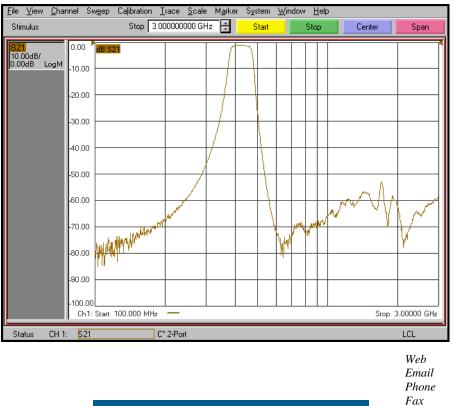
KR Electronics, Inc.Webwww.krfilters.com91 Avenel StreetEmailsales@krfilters.comAvenel, NJ 07001Fax(732) 636-1900

KR Electronics 3079

Stimulus		Center 42	5.000000 N	4Hz ∓	Start	Stop	Cen	ter	Span
0.0 .000dB/	10 dB S21								
.00dB LogM -1.0	0					 			
.000ns/ 1.00ns Delay -2.0	10	1							
-3.0	io					 			
-4.0	0								
-5.0	0								
-6.0									
-7.0	10	+				 			
-8.0	0					 			
-9.0	io								
-10.		90.000 MHz						Stop 46).000 MHz
		90.000 MHz						Stop 46	0.000 M

Passband Amplitude & Group Delay (1 dB/div & 5 nsec/div)

Overall Response (10 dB/div)



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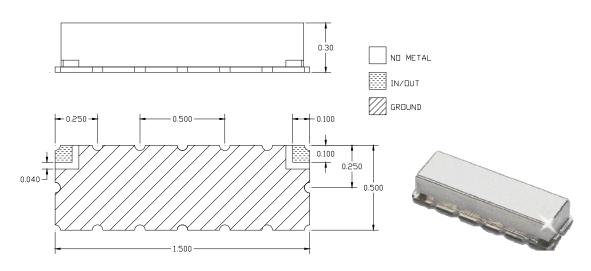
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Specifications

Parameter	Specification	
Filter type	Bandpass	
Center Frequency	425 MHz	
Insertion Loss at Center Frequency	3 dB max	1.25 dB typical
1 dB Bandwidth	70 MHz min	80 MHz typical
3 dB Bandwidth	93 MHz typical	
40 dB Bandwidth	205 MHz typical	
60 dB Bandwidth	325 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
- 5. Can be supplied in case with SMA connectors

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