KR Electronics, Inc.

General Description

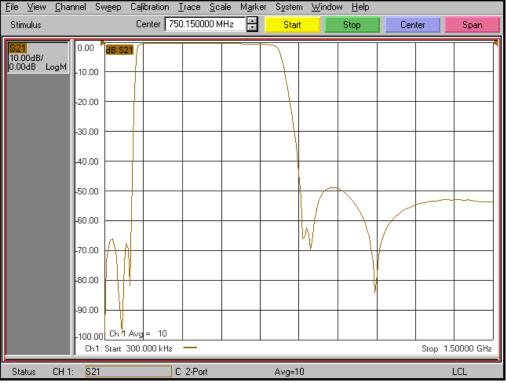
KR Electronics part number 3243 is a 374 MHz bandpass filter. The filter has a minimum 1 dB bandwidth of 452 MHz. Other center frequencies and bandwidths are available. Please consult the factory.

Features

- 374 MHz Bandpass Filter
- 1 dB Bandwidth 530 MHz typical
- 40 dB Bandwidth 660 MHz max
- Sharp Elliptic Type Design
- 50 Ω Source and Load
- Surface Mount
- Also available with SMA Connectors

Typical Performance





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KR Electronics, Inc. www.krfilters.com

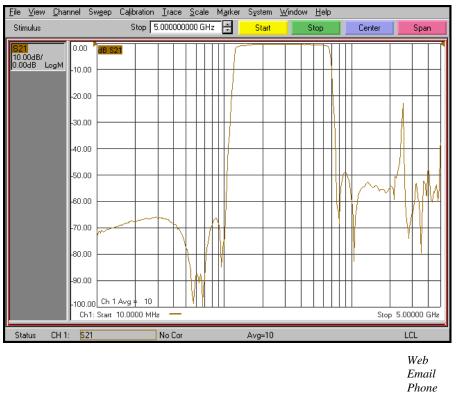
KR Electronics 3243

jile ⊻iew <u>C</u> hannel Sw Stimulus		<u>T</u> race <u>S</u> cale 4.000000 MHz	 	w <u>H</u> elp Stop	Center	Span
	,	1 1				
1.000dB/	dB \$21		 <u> </u>	<u>├</u> ├-		┝──┤
S21						
10.00ns/ 0.00ns Delay -2.00 -						
-3.00						
-4.00						
-5.00						
-6.00						
-7.00			 			
-8.00						
-9.00						
-10.00 Ch2: \$	Start 148.000 MHz			<u>├</u> ─── <u></u> ├─	Stop 60	0.000 MHz
Status CH 2: S21		2-Port				LCL

Passband Amplitude & Group Delay

(1 dB/div & 10 nsec/div)

Overall Response (10 dB/div)



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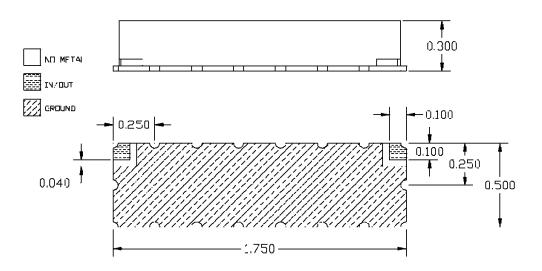
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KR Electronics 3243

Specifications

Parameter	Specification	Notes
Filter type	Bandpass	
Center Frequency	374 MHz	
Insertion Loss	1 dBa max	< 0.5 dBa typical
1 dBc Bandwidth	452 MHz min (148-600 MHz)	530 MHz typical
3 dBc Bandwidth	550 MHz typical	
40 dBc Bandwidth	640 MHz typical	
Rejection at 100 MHz & below	50 dB min	
Rejection 760 MHz to 1500 MHz	40 dB min	
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. Also available with SMA(f) Connectors

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