

KR 2504 Lowpass Filter

General Description

KR 2504 is a low cost small SIP lowpass filters. Other cutoff frequencies can be specified.

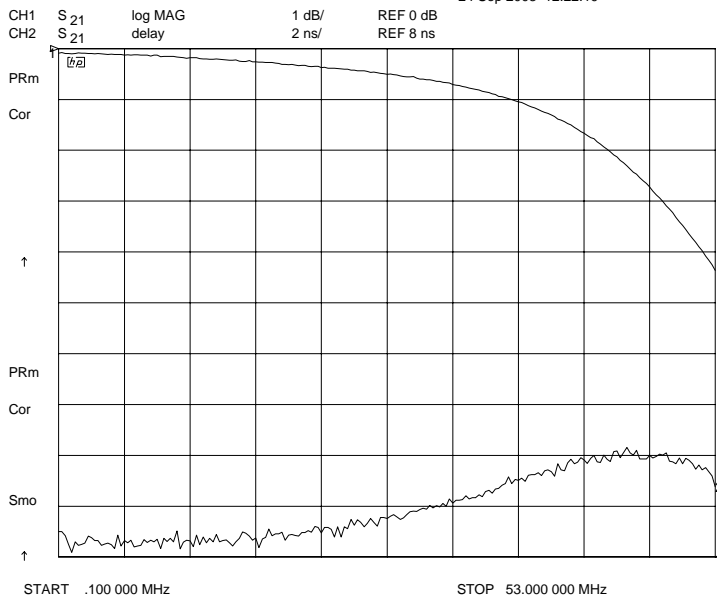
Features

- Low Cost
- Small SIP Package

Typical Performance

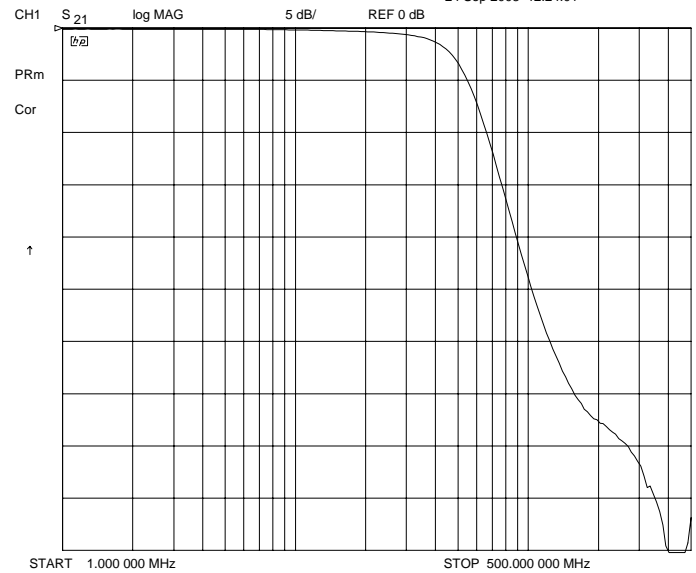
Passband Response & Group Delay
(1 dB/div & 2 nsec/div) 100 KHz to 53 MHz

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Overall Response
(5 dB/div) 1 MHz to 500 MHz

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KR Electronics, Inc.
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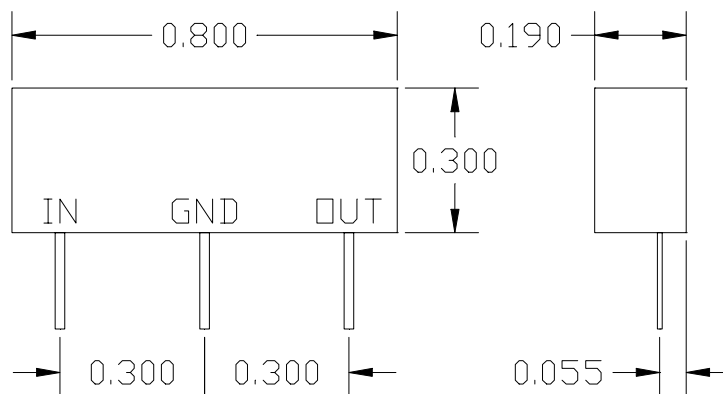
Web www.krfilters.com
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Specifications

Symbol	Parameter	Min	Typ	Max	Units
f_{1db}	-1 dB Bandwidth Flatness	25	30		MHz
f_c	-3 dB Bandwidth Flatness	43.2	48	52.8	MHz
$f_{0.8fc}$.08 x f_c Attenuation		0.9		dB
f_{SB}	Stopband Rejection $\geq 4 f_c$		-35		dB
T_{PD}	Group Delay at 100 KHz		8		nsec
ΔT_{PD}	Group Delay Deviation from Flatness to 10 MHz		0.5		nsec
ΔT_{PD}	Group Delay Deviation from Flatness to 40 MHz		4		nsec
Ω	Source & Load Impedance		75		Ohms

Physical Dimensions



Dimensions in inches
 Pins 0.010 x 0.020
 Tolerance $\pm .010$

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