

# KR 2504 Lowpass Filter

## General Description

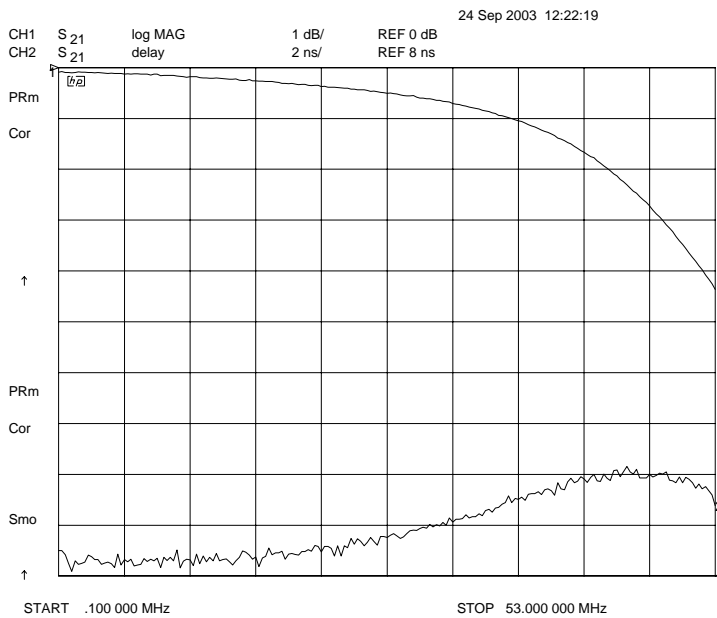
KR 2504 is a low cost small SIP lowpass filters. Other cutoff frequencies can be specified.

## Features

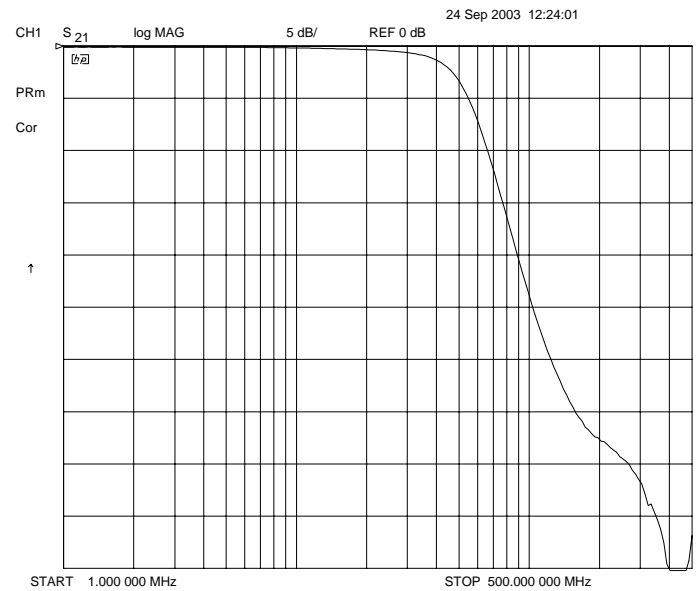
- Low Cost
- Small SIP Package

## Typical Performance

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



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



KR Electronics, Inc.  
 91 Avenel Street  
 Avenel, NJ 07001

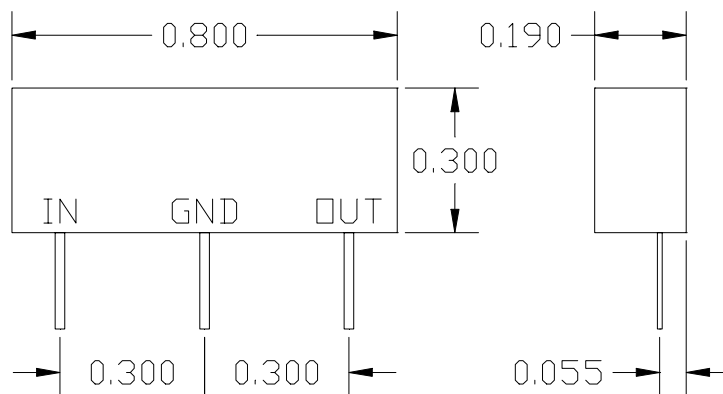
Web www.krfilters.com  
 Email sales@krfilters.com  
 Phone (732) 636-1900  
 Fax (732) 636-1982

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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
$\Delta T_{PD}$	Group Delay Deviation from Flatness to 10 MHz		0.5		nsec
$\Delta T_{PD}$	Group Delay Deviation from Flatness to 40 MHz		4		nsec
$\Omega$	Source & Load Impedance		75		Ohms

## Physical Dimensions



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

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