

KR 2304-F VIDEO FILTER

General Description

KR 2304 is a video lowpass filter designed for systems using oversampling. The filter has a 5.75 MHz passband and group delay equalization. Other passband frequencies and 75 Ω versions are available. Please consult the factory.

Features

- Anti-Aliasing filter for oversampling
- Elliptic response
- Group delay equalization
- 150 Ω

Typical Performance

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

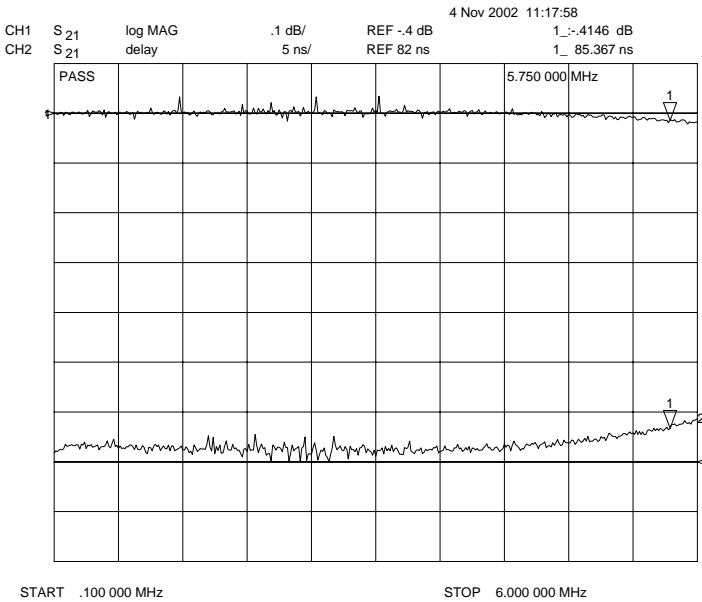


Figure 1

Overall Response
(10 dB/div)

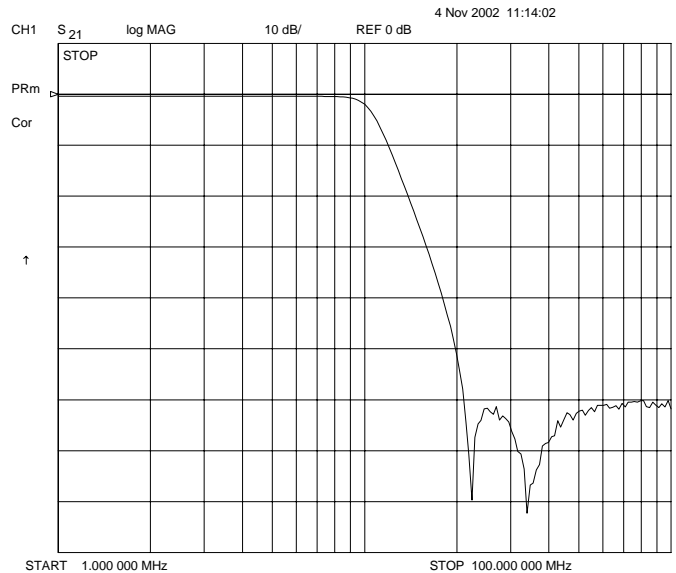


Figure 2

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

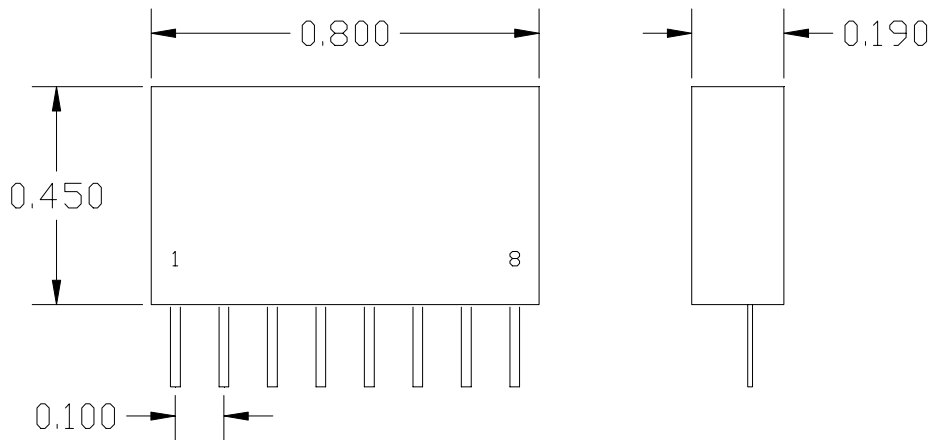
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Specifications

Parameter	Specification
Filter type	Lowpass
Insertion Loss	< 1dB (0.4 dB typ)
Passband Ripple to 5.75 MHz	< 0.10 dB (< 0.05 dB typ)
Group Delay Ripple to 5.75 MHz	< 5 nsec
Approximate Absolute Group Delay	82 nsec
Attenuation at 20.25 MHz	> 45 dB (>50 dB typ)
Source & Load	150 Ω

Physical Dimensions



Pin 1 is Input
 Pin 8 is Output
 Pins 2 thru 7 are Ground

Pin dimensions .010" x .020"

Tolerance ± 0.010
 All Dimensions Shown in inches