

KR 2506 15 MHz Video Filter

General Description

KR 2506 is a 15 MHz video lowpass filter with group delay equalization. The filter is designed to be used as an antialiasing filter in HD 2x oversampling applications. Other options including $\sin(x)/x$ compensation are available. Please consult the factory.

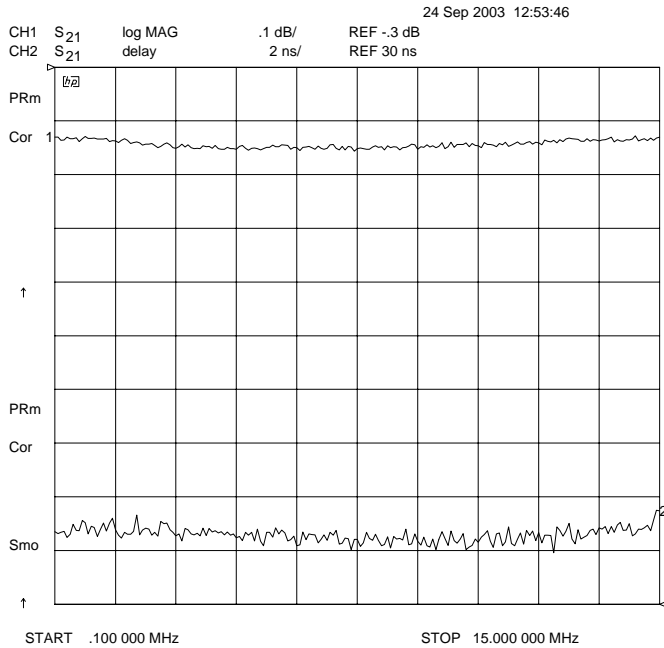
Features

- 15 MHz passband frequency
- <0.1 dB & < 2 nsec passband ripple
- >50 dB at 59.25 MHz
- Group delay equalization
- 75 Ω Source and Load

Typical Performance

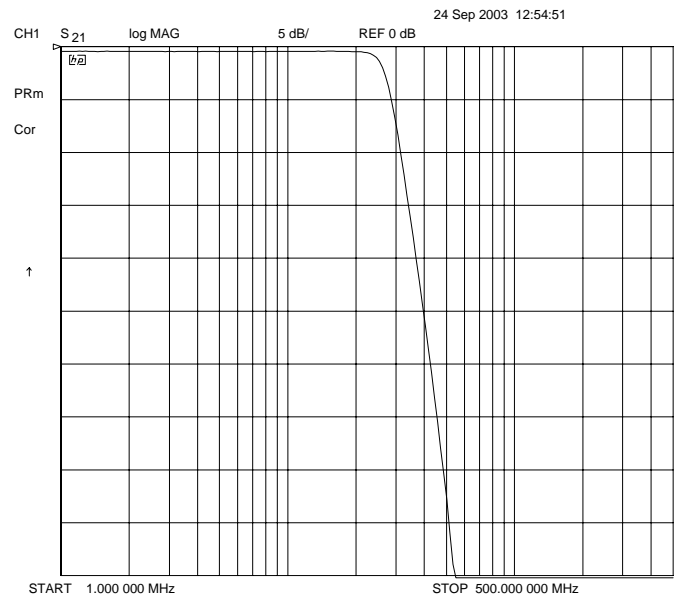
Amplitude & Group Delay

(0.1 dB/div & 2 nsec/div) 0.1 MHz to 15 MHz



Overall Response

(5 dB/div) 1 MHz to 500 MHz



KR Electronics, Inc.
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Avenel, NJ 07001

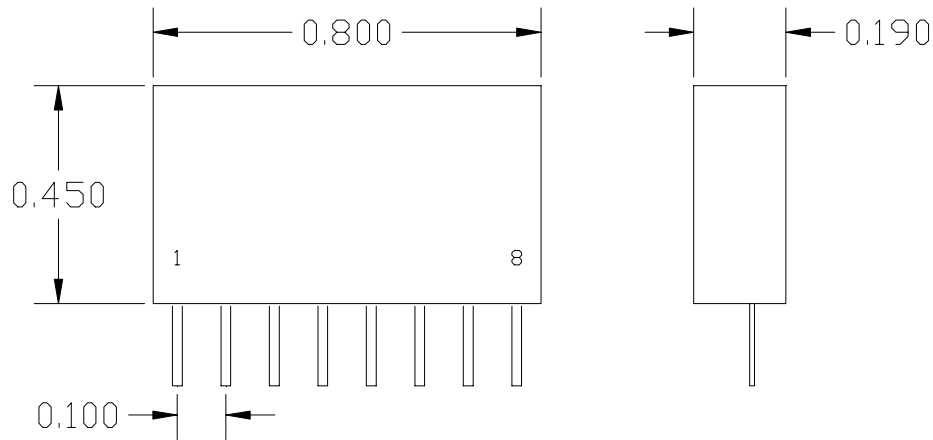
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KR Series 2506 Video Filter

Specifications

| Parameter | Specification | Typical |
|--------------------------|---------------|---------|
| Filter type | Lowpass | |
| End of passband | 15 MHz | |
| Passband ripple | < 0.1 dB p-p | 0.05 dB |
| Start of stopband -50 dB | 59.25 MHz | |
| Group delay ripple | < 2 nsec p-p | 1 nsec |
| Group delay control to | 15 MHz | |
| Impedance | 75 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

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