

# KR 2438 VIDEO FILTER

## General Description

KR 2438 is a video lowpass filter. The filter has a 5.5 MHz passband and group delay equalization. The filter is suitable for surface mount. Other passband frequencies are available. Please consult the factory.



## Features

- Anti-Aliasing filter
- Elliptic response
- Group delay equalization
- Surface mount
- 75 Ω

## Typical Performance

**Passband Amplitude & Group Delay**  
(0.1 dB/div & 10 nsec/div)

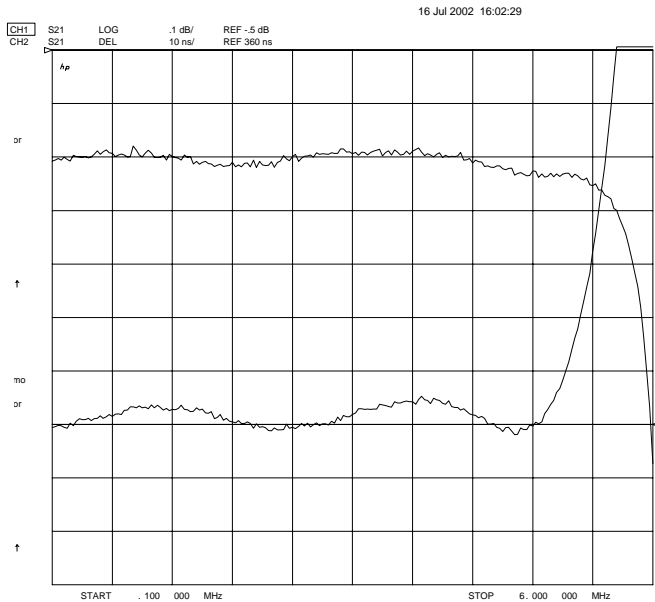


Figure 1

**Overall Response**  
(10 dB/div)

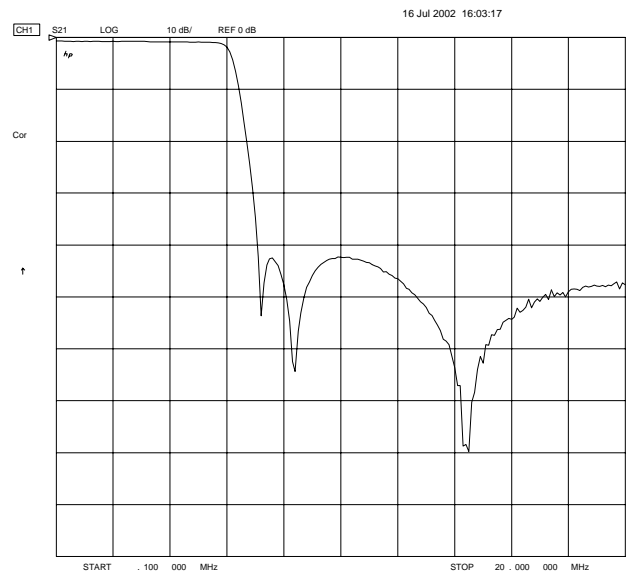


Figure 2

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

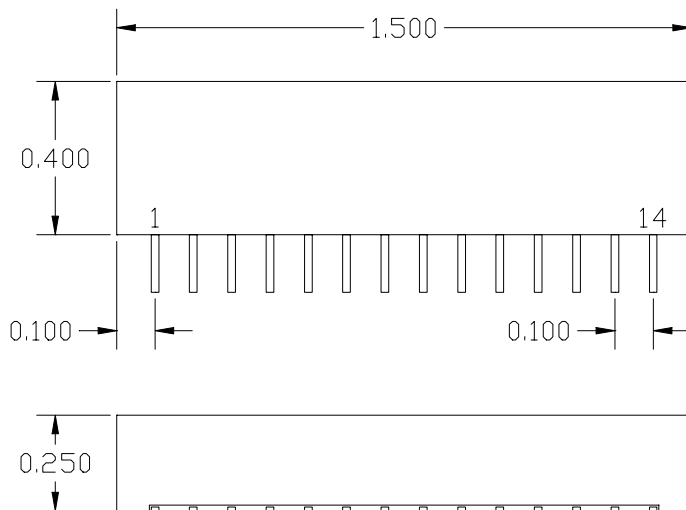
Web www.krfilters.com  
Email sales@krfilters.com  
Phone (732) 636-1900  
Fax (732) 636-1982

# KR 2438 Video Filter

## Specifications

Parameter	Specification
Filter type	Lowpass
Insertion Loss	< 1dB (0.7 dB Typ)
Passband Ripple to 5.5 MHz	< 0.3 dB
Group Delay Ripple to 5.04 MHz	< 14 nsec
Approximate Absolute Group Delay	360 nsec
Attenuation at 6.81 MHz	> 20 dB
Attenuation at 7.23 MHz and above	> 40 dB
Source & Load	75 Ω

## Physical Dimensions



Notes:  
 Pin Size .020 x .010 in  
 Pin 1 is Input  
 Pin 14 is Output  
 All other pins are ground