

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)

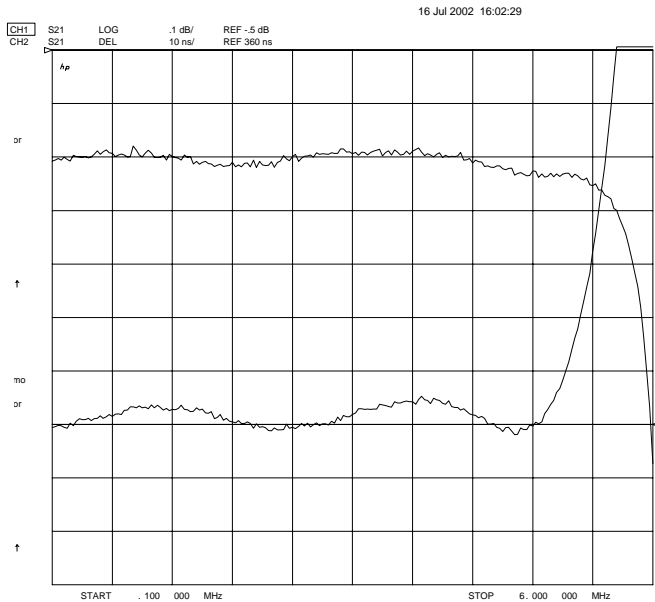


Figure 1

Overall Response
(10 dB/div)

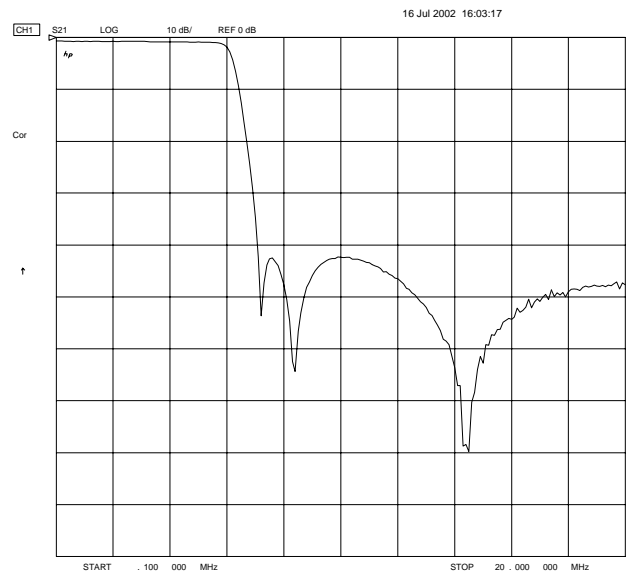


Figure 2

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

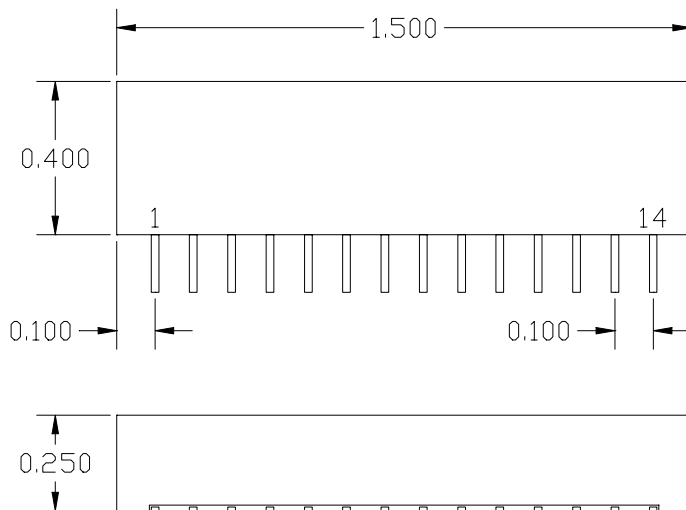
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KR 2438 Video Filter

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