

KR 2476 Lowpass Filter

General Description

KR 2476 is a 52.5 MHz lowpass filter. The filter is group delay equalized and includes $\sin(x)/x$ compensation for a sampling frequency of 120 MHz. The filter can be supplied without $\sin(x)/x$ correction. Please consult the factory for other passband or sampling frequencies.

Features

- 52.5 MHz passband
- $\sin(x)/x$ correction
- Sharp transition to 60 dB
- 50 Ω

Typical Performance

Effective Passband & Group Delay
(0.5 dB/div & 5 nsec/div)

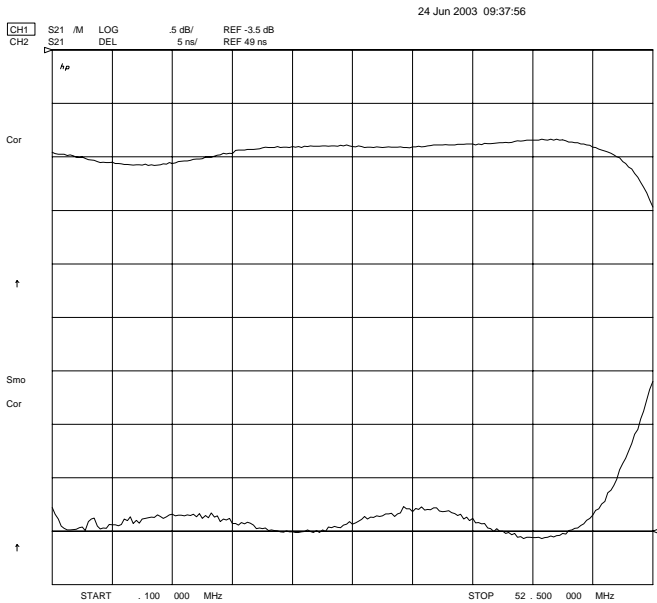


Figure 1

Overall Response
(10 dB/div)

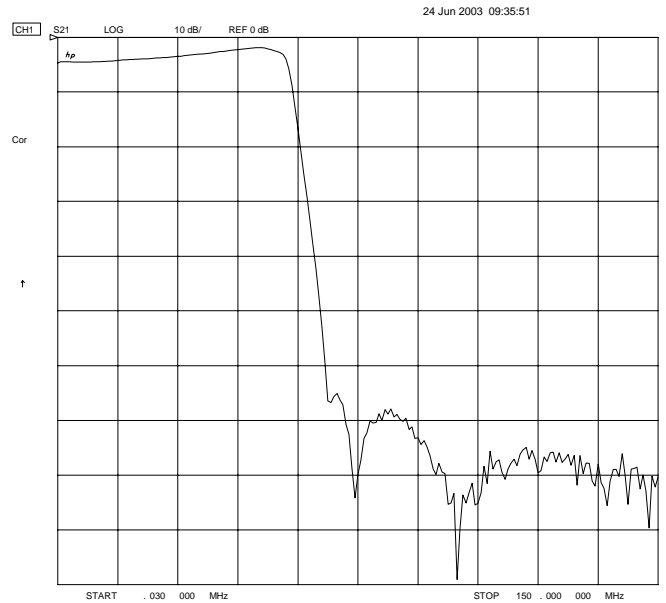


Figure 2

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

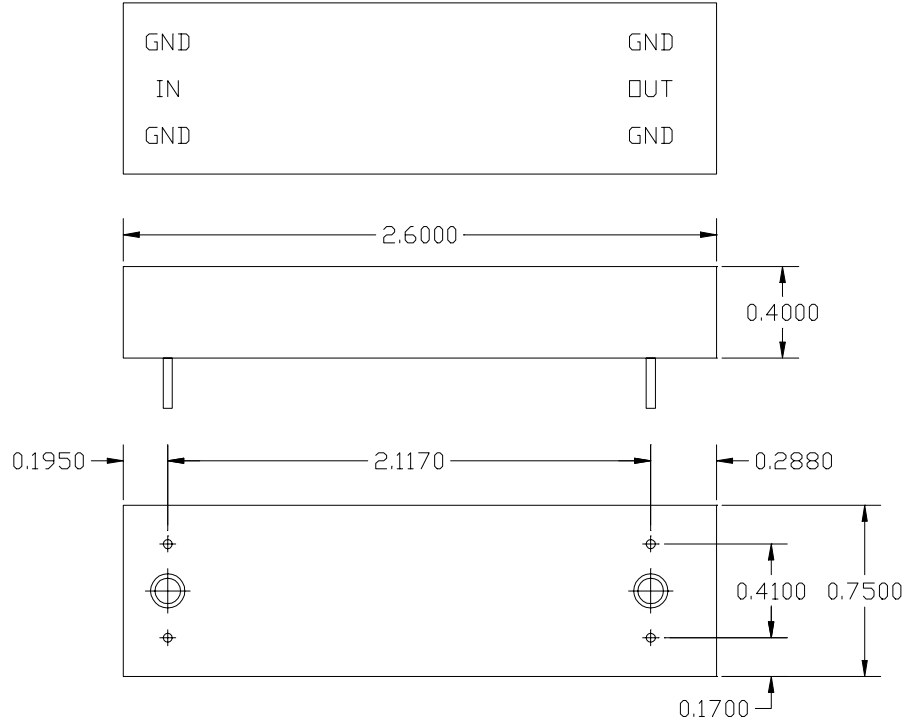
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KR 2476

Specifications

Parameter	Specification
Filter type	Lowpass
End of Passband (< 0.75 dB)	52.5 MHz
Effective Passband Ripple to 50 MHz	< 0.5 dB
Insertion Loss (at 100 KHz)	< 5 dB
Group Delay Ripple to 47.75 MHz	< 6 nsec
Sin(x)/x Compensation	Yes
Sampling Frequency	120 MHz
Start of Stopband	67.5 MHz
Stopband Attenuation	60 dB
Source & Load	50 Ω

Physical Dimensions



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