KR 2512 Lowpass Filter

General Description

KR 2512 is a 4.2 MHz lowpass filter with Sin(x)/x compensation. Other passband frequencies are available. Please consult the factory.

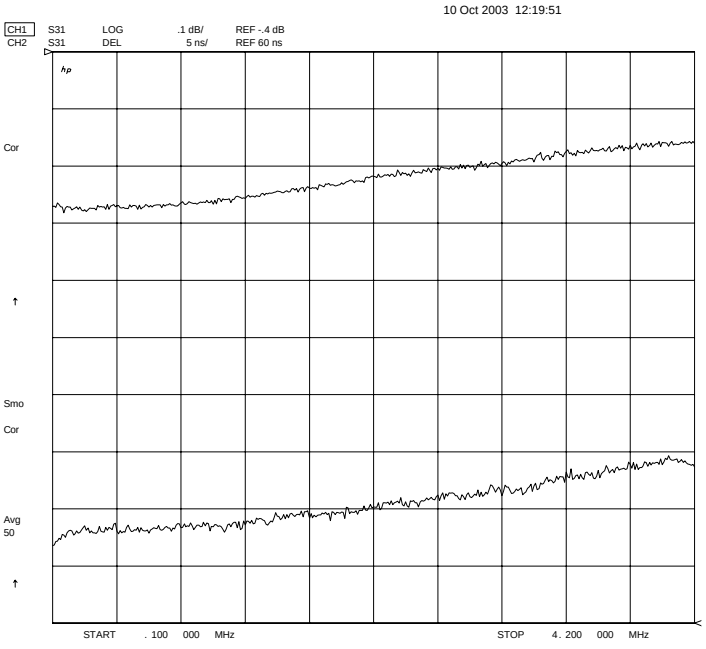
Features

- Sin(x)/x compensation
- High stopband loss
- 75 Ω Source and Load

Typical Performance

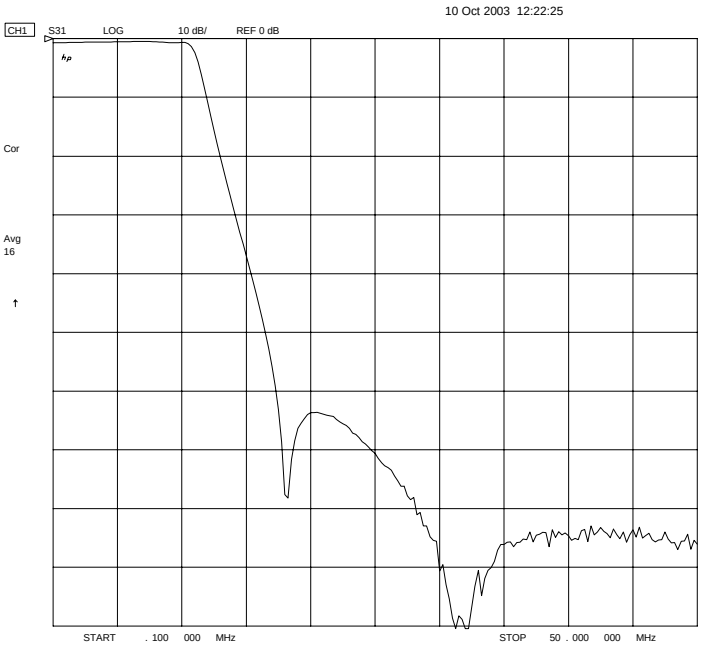
Passband Amplitude & Group Delay

(0.1 dB/div and 5 nsec/div to 4.2 MHz)



Overall Response

(10 dB/div to 50 MHz)



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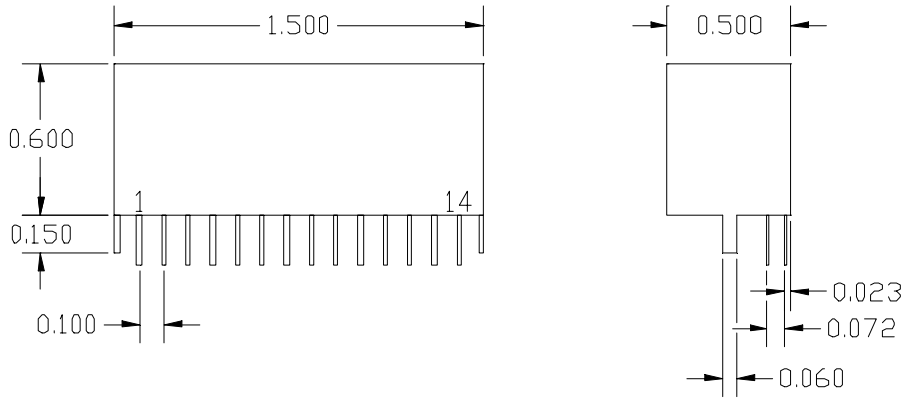
Specifications

Parameter	Specification
Filter type	Lowpass
End of Passband	4.2 MHz
Insertion Loss	< 0.5 dB
Effective Passband Ripple to 4.2 MHz	< 0.1 dB
Group Delay Deviation to 4.2 MHz	< 15 nsec
> 45 dB at	17 MHz
> 75 dB at	>30 MHz
Sin(x)/x Compensation	Yes
Sampling Frequency for Compensation	38.88 MHz
Source & Load	75 Ω

Physical Dimensions



NOTES:
1. TOLERANCE ±0.010″
2. PINS ARE 0.010″ × 0.020″ (14 PLCS)
3. CASE TABS ARE 0.015″ × 0.060″ (2 PLCS)
4. PIN 1 IS INPUT
5. PIN 14 IS OUTPUT
6. PIN 2 THRU 13 ARE GROUND
7. NOTE PIN 1 AND 14 ARE OFFSET

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