

# KR Series 2381 Lowpass Filter

## General Description

KR Series 2381 are high performance lowpass filters with group delay equalization. The filters can be supplied with or without Sin(x)/x correction. Passbands can be specified from 10 MHz to 50 MHz. The filters are available in a small SIP package.

## Features

- High performance lowpass
- Passbands from 10 to 50 MHz
- Group delay equalization
- Sin(x)/x correction available
- Small SIP Package

## Typical Performance

**Passband Response & Group Delay  $f_c=30$  MHz**  
(0.2 dB/div & 3 nsec/div) 100 KHz to 30 MHz

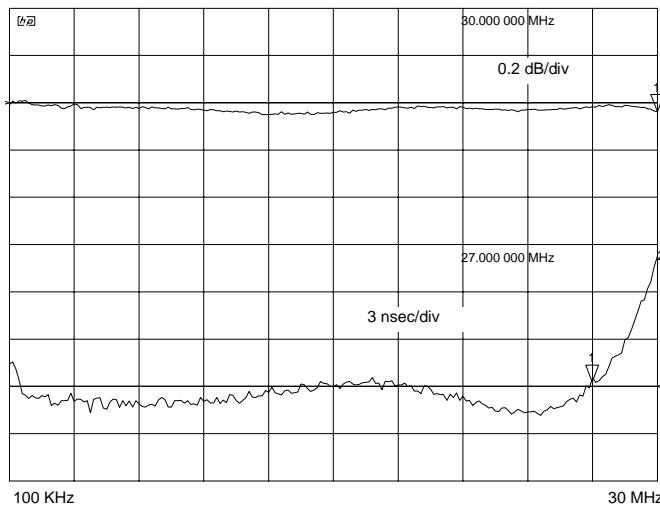


Figure 1

**Overall Response  $f_c=30$  MHz**  
(10 dB/div) 100 KHz to 100 MHz

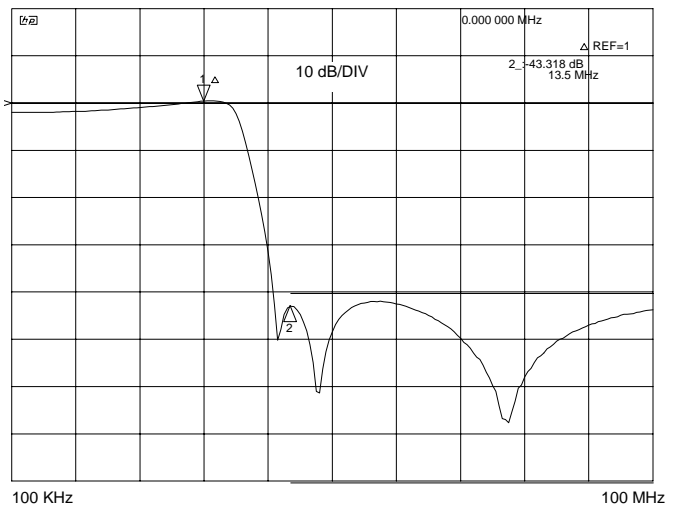


Figure 2

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## Specifications

Parameter	Specification	
Filter type	Lowpass	
Insertion Loss	< 1 dB Consult factory if Sin(x)/x Correction is included	
End of Passband $f_c$	10 MHz to 50 MHz	User Specified
Passband Ripple	< 0.2 dB	
> 40 dB Attenuation	1.45 x $f_c$	
Group Delay Ripple to 0.9 x $f_c$	Consult Factory	
Sin(x)/x Correction	Available	User Specified
Source and Load	75 $\Omega$	Consult Factory for other

## Physical Dimensions

