KR Electronics, Inc.

General Description

KR 2903-S+ is a 140 MHz group delay equalized elliptic bandpass filter. The filter has a minimum 2 dB bandwidth of 80 MHz. Other center frequencies and bandwidths available. Please consult the factory.

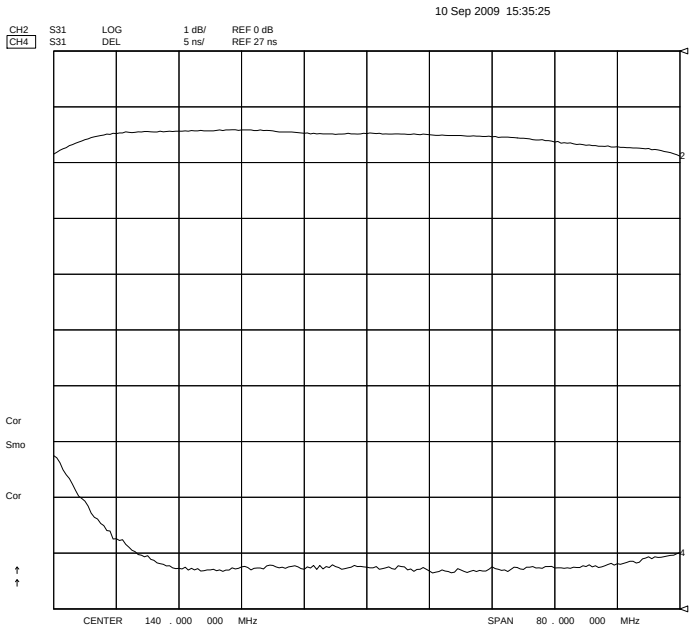
Features

- 140 MHz Elliptic Bandpass
- 80 MHz minimum 2 dB Bandwidth
- Group Delay Equalized
- Surface Mount
- 50 Ω Source and Load
- RoHS

Typical Performance

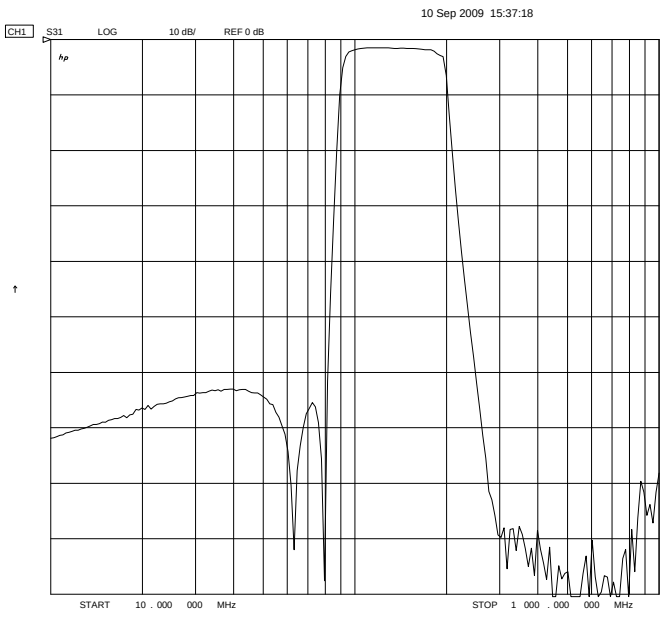
Passband Amplitude & Group Delay

(1 dB/div & 5 nsec/div)



Overall Response

(10 dB/div)



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*

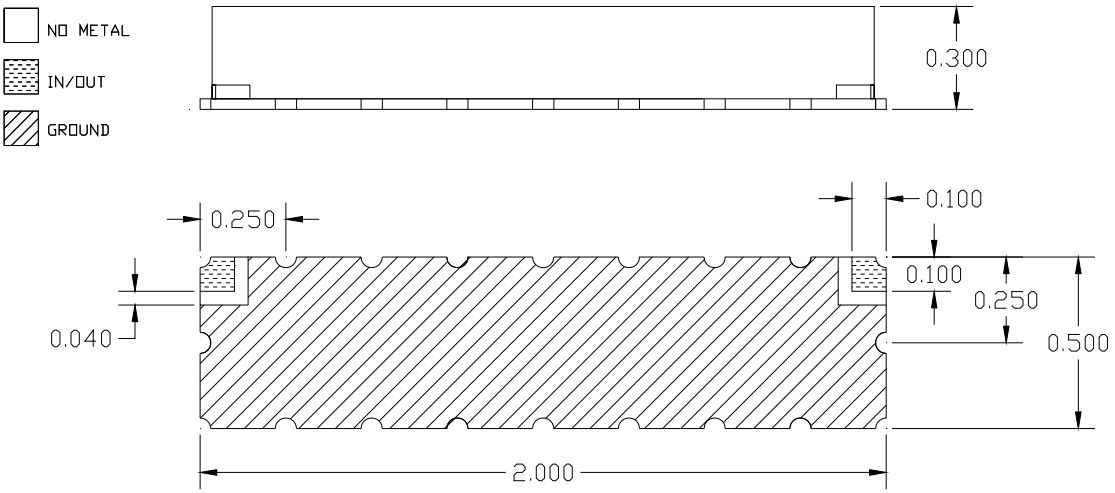
© 2013, KR Electronics, Inc.

KR Electronics 2903-S+

Specifications

Parameter	Specification
Filter type	Bandpass RoHS
Center Frequency	140 MHz
Insertion Loss	< 2 dB typical
2 dB Bandwidth	80 MHz min (100 MHz typical)
Group Delay Variation 110 MHz to 170 MHz	3 nsec max
Rejection at 80 MHz & 272 MHz	50 dB min
Typical 1 dB Bandwidth	94 MHz
Typical 2 dB Bandwidth	100 MHz
Typical 40 dB Bandwidth	145 MHz
Typical 50 dB Bandwidth	158 MHz
Typical 60 dB Bandwidth	171 MHz
Source and Load	50 Ω

Physical Dimensions



Notes:
1. Surface mount package — Metal cover open frame
2. Dimensions in inches
3. Maximum reflow temperature is 230° C for 10 sec maximum.
4. If boards are cleaned after installation, units must be completely dried.

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*

© 2013, KR Electronics, Inc.