NIC
NETWORKS INTERNATIONAL CORPORATION

www.nickc.com
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1575.42 MHz GPS Ceramic filter

Overview

NIC introduces a monoblock Ceramic filter at 1575.42 MHz, designed for use in GPS, L-band and avionics applications. This filter offers high performance in a small package size of 0.51 x 0.47 x 0.19 inches.

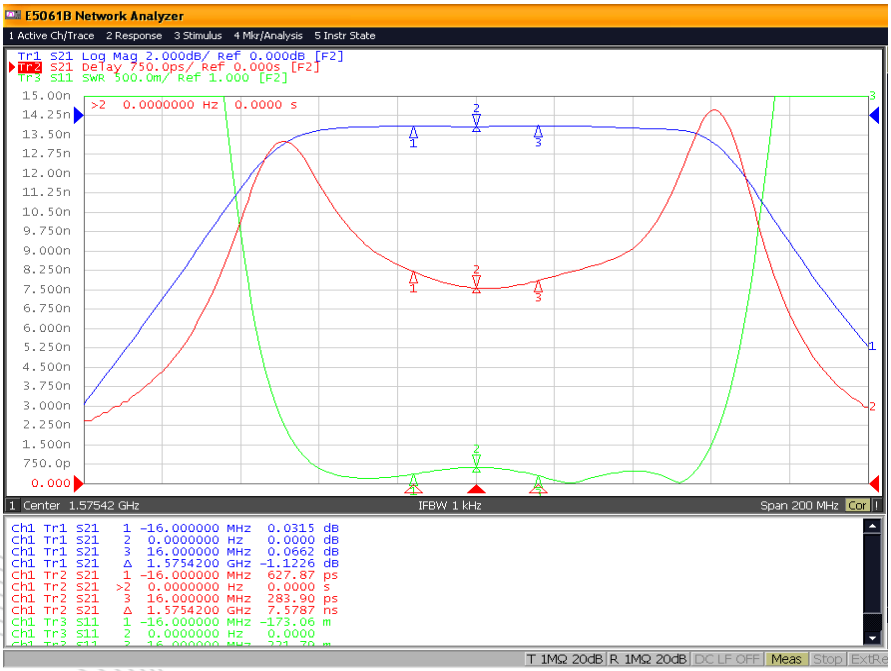
Features

- Low Insertion loss & high rejection
- Flat differential group delay of < 0.75nsec
- Compact package
- Low cost

Example Specification:

Parameter	Specification
Center Frequency	1575.42 MHz
1 dB Bandwidth	32 MHz
Insertion Loss	<3 dB in Bandwidth
VSWR	1.5:1
Passband Ripple (Peak to Valley)	0.5dB in Bandwidth
Attenuation	45dBc min @ 1010 MHz 45dBc min @ 1845.5 MHz – 2500 MHz
Impedance (Input/output)	50 Ohms
Package Style (Input / Output)	SMT
Operating Temperature	-30° C to +85° C
Mechanical Dimensions	0.51 x 0.47 x 0.19

Passband & Group Delay:



ISO 9001:2000
AS9100B
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Datasheet specifications subject to change without notice.

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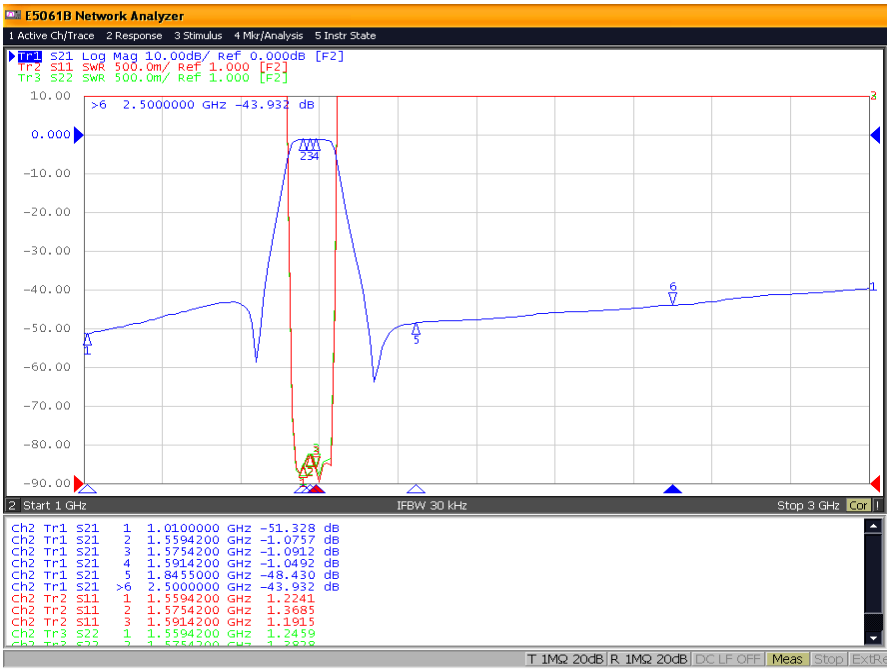
Stopband response:



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