



Overview

NIC introduces its cavity filter diplexer series in the 400-500 MHz frequency range for use in airborne, shipborne or vehicle mount applications in harsh military environments

Features

- High unloaded resonator Q (>1200) resulting in very low insertion loss
- High isolation and small separation between channels
- Compact size for cavity filter designs
- Ruggedized package for Hi-Rel environments



Scan QR code to visit our website and view our cavity diplexer capabilities

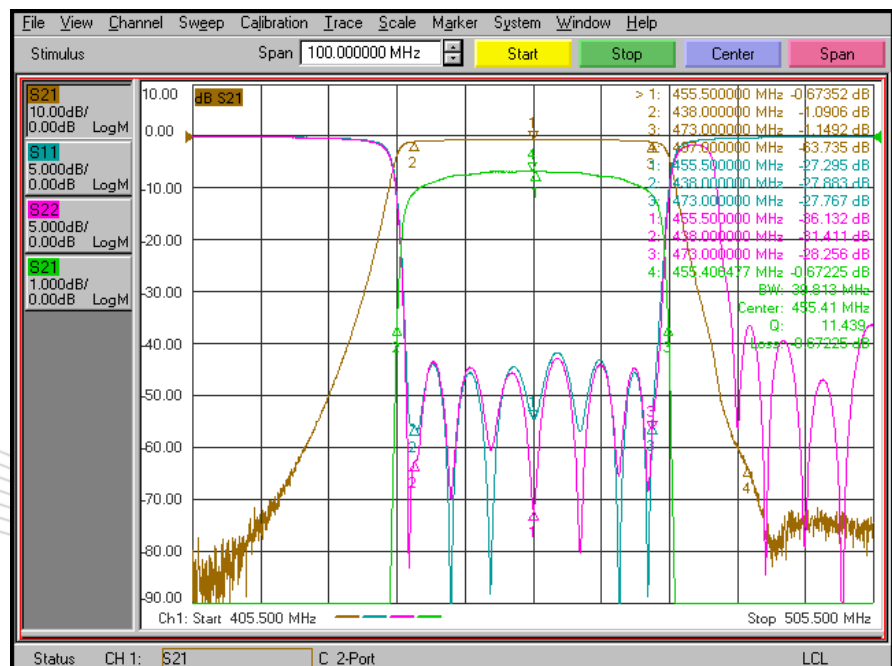


400-500 MHz Ruggedized Cavity Diplexer

Example Specification:

Parameter	Specification
Channel-1 Passband Frequency	439 – 472 MHz
Channel-1 Passband Insertion Loss	1.3 dB max
Channel-1 Passband VSWR	1.3:1 max
Channel-2 Passband Frequency	488 – 511 MHz
Channel-2 Passband Insertion Loss	1.3 dB max
Channel-2 Passband VSWR	1.3:1 max
Isolation	60 dB min
Power Handling	50 W CW max
Impedance (All Ports)	50 Ohm
Connections (All Ports)	BNC Female
Mechanical Dimensions	9.0" x 3.59" x 1.75"
Operating Temperature	-30 °C to +60 °C
Vibration	Per Mil-STD-810G, Method 514.6, Procedure I, Category 24
Shock	Per Mil-STD-810G, Method 516.6, Procedure I
Drop	Per Mil-STD-810G, Method 516.6, Procedure IV

Channel 1 Response:



Channel 2 Response:

