

S-Band Cavity Diplexer

Overview

NIC Introduces a new Cavity Diplexer designed for use in S band ground-based radars. This Diplexer is built to work in a ruggedized environment and is capable of withstanding harsh environmental conditions.

Features include:

- 1) Low Insertion loss
- 2) High channel selectivity
- 3) High Isolation
- 4) Custom Designs available upto K band frequencies.

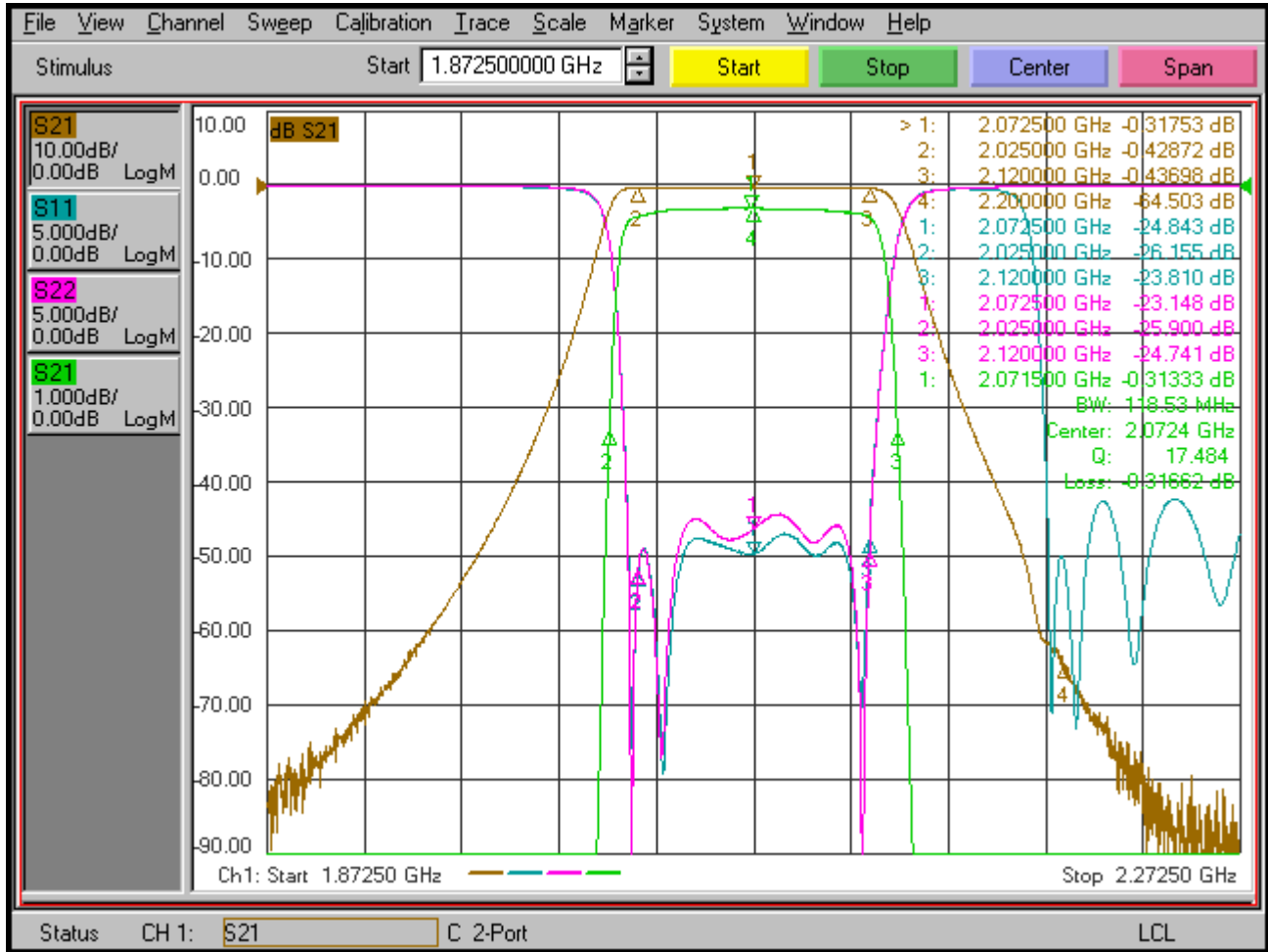


Example Specification:

Parameter	Specification
Band-1 Passband Frequency	2025-2120 MHz
Band-1 Passband Insertion loss	0.6 dB max
Band-1 Passband VSWR	1.3:1 max
Band-2 Passband Frequency	2200-2300 MHz
Band-2 Passband Insertion Loss	0.6 dB max
Band-2 Passband VSWR	1.3:1 max
Isolation	60 dB min
Impedance (input/output)	50 Ohm
Connections (input/output)	SMA Female
Operating Temperature	0 °C to +60 °C
Mechanical Dimensions	6.0" x 1.5" x 3.0"

Typical Response

Channel 1



Channel 2

