

0.9 - 1.1 GHz Notch Filter

Features

- ◆ Cellular band rejection
- ◆ Low insertion loss with high rejection
- ◆ Compact mechanical size
- ◆ Light Weight



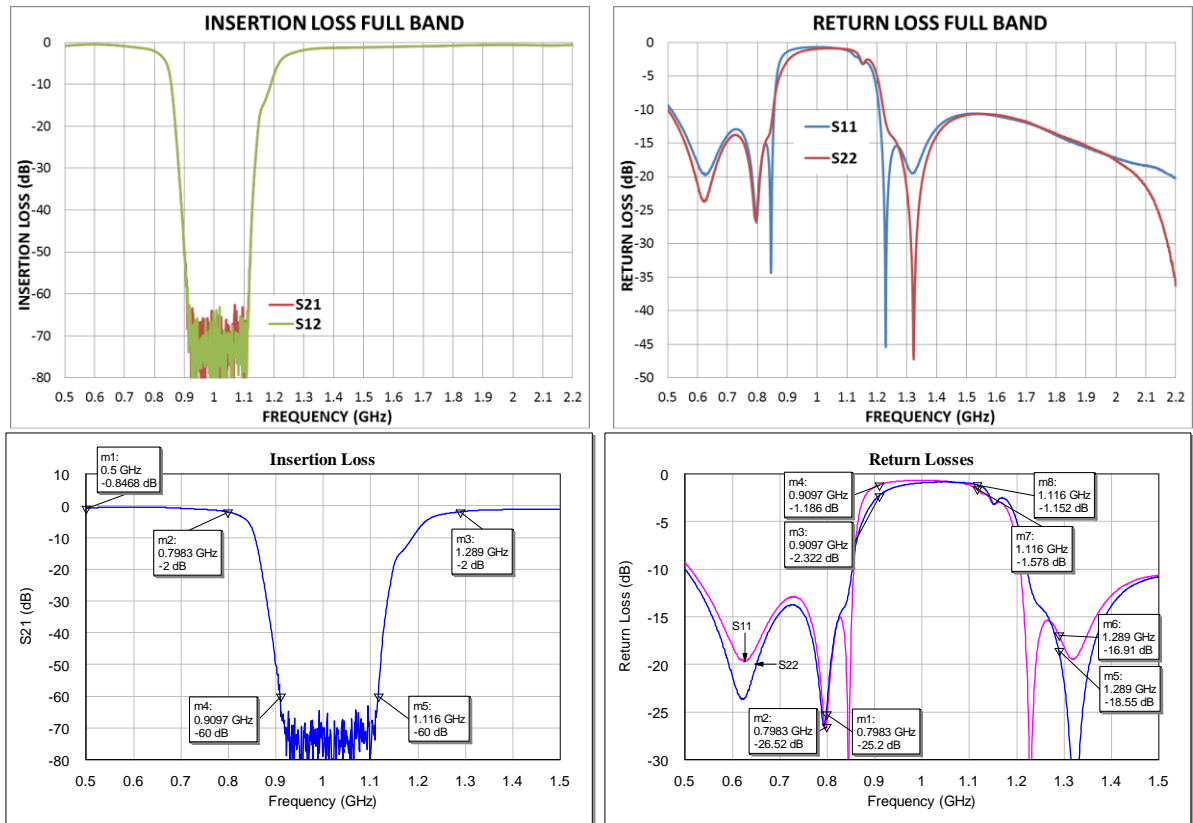
Description

The Notch filter module NF102DL1 is available in standard connectorised miniature package. This filter is capable of rejecting the cellular interference signals with high rejection and low insertion loss for EW system applications.

Electrical Specifications @ $T_A = 25\text{ }^\circ\text{C}$, $Z_o = 50\Omega$,

Parameter	Values	Units
Pass Band Frequency	500 – 800 1300 – 2200	MHz
Notch Frequency	900 – 1100	MHz
Rejection at Notch	>60	dB
Passband Insertion Loss	2	dB
Passband VSWR	2:1	
Max Power Handling	20	dBm (min)
Connectors	SMA Jack Receptacle	
Size	40.8 x 19 x 15	mm
Weight	40	grams

Measured Results



Notch Rejection

@800MHz		
5%	840 MHz	- 4.8 dB
10%	880 MHz	- 28.7 dB
15%	920 MHz	- 70.7 dB

@1300MHz		
5%	1235 MHz	- 3.5 dB
10%	1170 MHz	- 14 dB
15%	1105 MHz	- 68 dB

Outline Drawing



- MATERIAL: AL6061-T6 OR T651 (FOR CHEMICAL COMPOSITION ONLY)
- ALL DIMENSIONS ARE IN mm
- ALL THE MECHANICAL DIMENSIONS ARE INCLUSIVE OF PLATING THICKNESS
- GENERAL DIMENSIONAL TOLERANCES (LINEAR, ANGULAR AND STRAIGHTNESS) AS PER IS 2102:1993 (ISO 2768-FH)
- SURFACE ROUGHNESS WITHIN 1.6 - 6.3 MICRONS

A product by Astra Microwave Products Limited, India.
All Information and Specifications are subject to change without prior notice.
Before using the product, please refer to the latest datasheet available in the website.