

## 823 - 961 MHz/1709 – 2171 MHz LC Diplexer



### ELECTRICAL SPECIFICATIONS

Parameters	Specifications
Port 1 – Port 3	823 – 961 MHz
Port 2 – Port 3	1709 - 2171 MHz
P1- P2 Isolation	>60 dB in band
VSWR, all ports	1.4:1
Passband Loss	< 0.4 dB (823 – 961 MHz) < 0.6 dB (1709 - 2171 MHz)
Input Power Rating	50W/input avg, Typical 20 to 30 W CW
Impedance	50 Ohms nominal
Environmental	-35C to +55C
Connectors	SMA Female
Package size	1.5 x 2.0 x 0.9 inches + SMA

### OVERVIEW

NIC introduces a high-performance LC- Diplexer for use in receiver-transmitter systems operating in the GSM, ISM, DCS, and PCS frequency bands. This Diplexer offers low Insertion loss & high Isolation and is capable of handling CW power up to 50W. Custom designs and different package configurations are available upon request.

### FEATURES

- Hermetically sealed package
- Low Insertion loss
- High Isolation
- Ruggedized package suitable for ground, air-borne, and ship-mount applications

### ELECTRICAL PERFORMANCE DATA

