



Low-Profile DC-18 GHz Diplexer

ELECTRICAL SPECIFICATIONS

Parameters	Specifications
Path J1 to J3	DC - 100 MHz
Path J1 to J2	425MHz - 18GHz
Path J1 to J3 Insertion Loss	1 dB max
Path J1 to J2 Insertion Loss	1.5 dB max
Path J1 to J3 VSWR	2:1 max
Path J1 to J2 VSWR	2:1 max
Path J1 to J3 Rejection over 425MHz - 18GHz	27 dB min
Path J1 to J2 Rejection over DC - 100 MHz	27 dB min
Impedance	50 Ohms nominal
Operational Temperature	-40° C to +85°C
Package Dimensions	0.62 " x 0.47" x 0.19" Connectors
Package Configuration	Connectorized

OVERVIEW

NIC introduces a low-profile high-frequency LC Diplexer in a connectorized package. This filter offers a flat wideband performance, low insertion loss and high out of band rejection, making it a perfect fit for high-reliability radar, EW, and space applications. Custom LC filter & Diplexer designs are available.

FEATURES

- Wideband Performance
- Compact Package
- Low Profile (<0.19")
- Out of band rejection (>35dB)
- Passband Flatness (<0.6dB)

ELECTRICAL PERFORMANCE DATA

