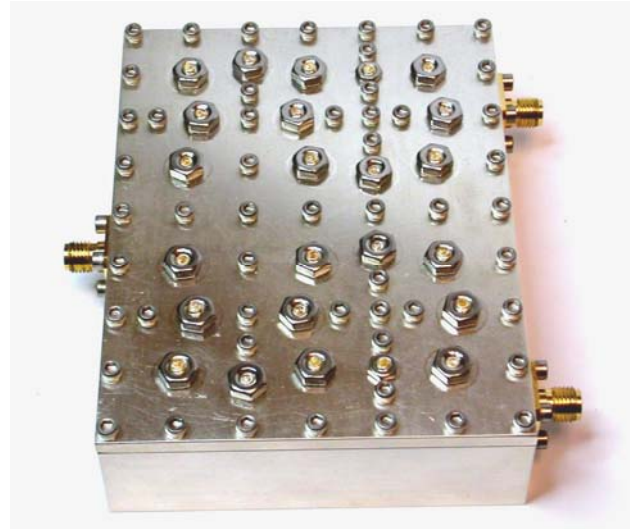


## WiMax Duplexer

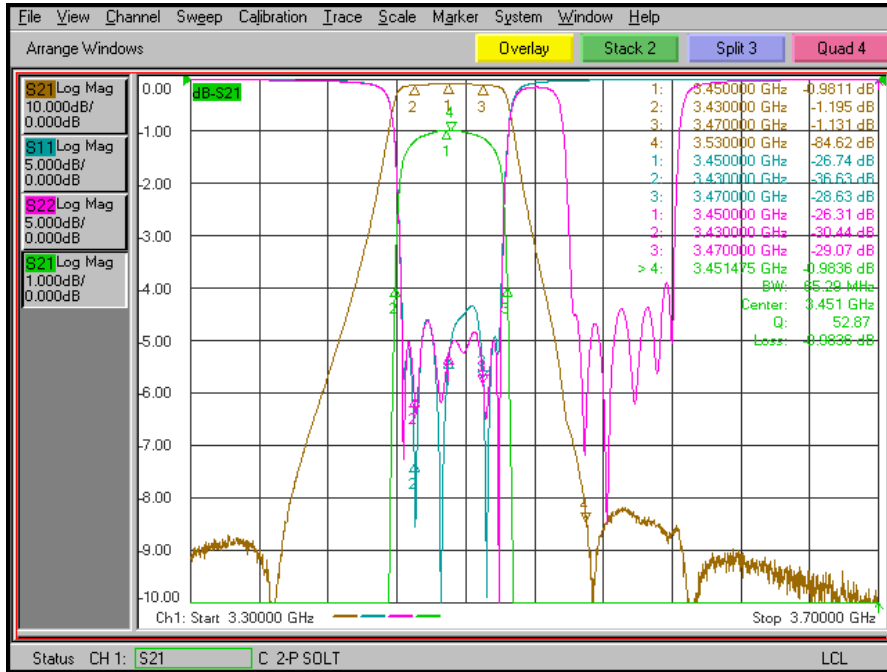
NIC introduces a new cavity duplexer designed for use in WIMAX applications.

- High Channel Selectivity
- High Isolation
- Low Insertion Loss
- Small Form Factor
- Standard & Custom Designs Available



Parameter	Specification
Low Channel Center Frequency	3400 to 3500 MHz
High Channel Center Frequency	3500 to 3600 MHz
Channel Separation	100 MHz
Channel Bandwidth	40 MHz
Passband Insertion Loss	1.5 dB max
Passband Return Loss	16 dB min
Mutual Isolation	75 dB min
Operating Temperature	-40 °C to +90 °C
Dimensions	4.0 x 3.0 x 1.1 inches (Excluding Connectors)
Connectors	SMA female
Impedance	50 Ohms

### Low Channel Response



### High Channel Response

