

ETR Duplexer 850 B-Band (Enhanced Transmit Rejection)

Passband Frequency

B-Band Specifications

Receive	835 – 849 MHz
Transmit	880 – 894 MHz
VSWR	1.5:1

Insertion Loss

Receive	0.4 dB*
Transmit	0.65 dB*

*typical performance

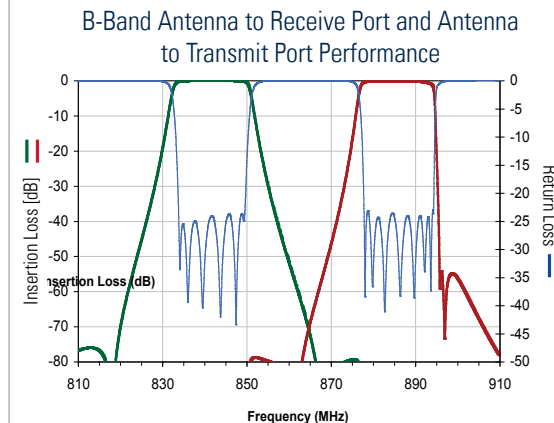
Rejection/Isolation

Antenna to Receive DC – 720 MHz	90 dB (min)
Antenna to Receive 880 – 2080 MHz	90 dB (min)
Transmit to Antenna DC – 850 MHz	85 dB (min)
Transmit to Antenna 896 – 930 MHz	45 dB (min)
Transmit to Receive (measured over Rx and Tx passbands)	85 dB (min)

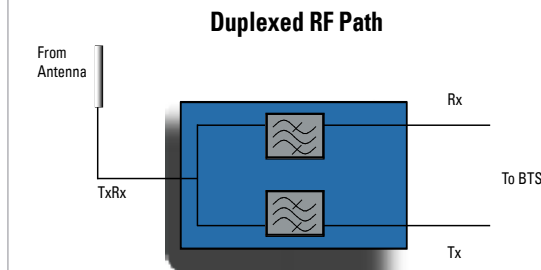
Mechanical/Environmental

Weight	14 lbs
Size	13.9"W x 7.5"D x 2.8"H (excluding connectors, face plate and tuning screws)
Power Handling	CW 500 W Peak 10 kW
Operating Temperature	0° to +50° C
Storage Temperature	-55 to +70° C
Connectors	Type N-female 50 ohm BNC-female (sample port)
Sample Port (over Rx and Tx pass bands)	-50 dB ±3 dB non-directional

Performance



Architecture



Best-in-Class Transmit Filtering.

The ETR Duplexer provides antenna sharing without compromise. Deploy in sites that impact Nextel receive signals at 896 MHz to completely eliminate emitted interference.



Features & Benefits:

- > 50 dB of rejection at 896 MHz
- > Very low receive insertion loss
- > Excellent cross-band isolation and passband match
- > Rack mount or cable tray mount
- > Zoning-friendly, reduces number of antennas required
- > Reduces tower lease costs
- > High power, up to 10kW PIP
- > Pretuned
- > Field proven: STI duplexers have been deployed in thousands of base stations worldwide.