

## Transmit Filter 850 B-Band

### Passband Performance<sup>1</sup>

Passband Frequency	880 – 894 MHz
Insertion Loss (typical)	
880 – 881 MHz	1.0 dB
Center Band	0.7 dB
890 – 894 MHz	1.5 dB*
Return Loss	
Full Passband 880 – 894 MHz	20 dB (min)

*\*typical performance*

### Rejection/Isolation<sup>1</sup>

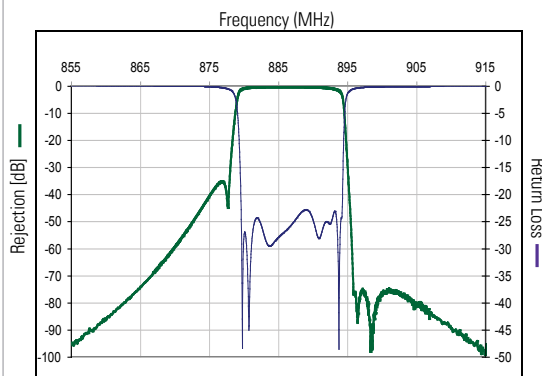
Input to Antenna DC – 849 MHz	90 dB (min)
Input to Antenna 849 – 878 MHz	30 dB (min)
Input to Antenna 896 – 915 MHz	70 dB (min)
Input to Antenna 915 – 2400 MHz	90 dB (min)

### Mechanical/Environmental

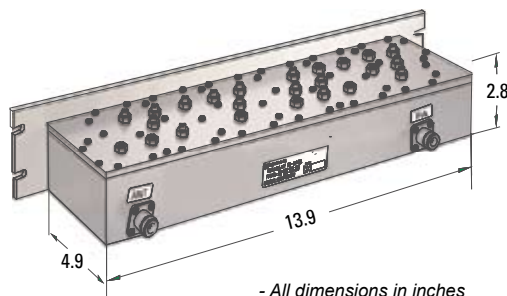
Weight	9 lbs
Size	13.9"W x 4.9"D x 2.8"H (excluding connectors, face plate and tuning screws)
Power Handling	CW 500 W Peak 10.0 kW
Operating Temperature	0 to +50° C
Storage Temperature	-40 to +70° C
Operating Altitude	Up to 15,000 ft
Connectors	Type N-female 50 ohm
Mounting Options	19" or 23" Rack mount, Cable tray mount (3 per), or Integrated AIF shelf

### Performance

#### B-Band Antenna to Input Port Performance<sup>1</sup>



### Architecture



#### Field Proven Performance.

STI conventional filters (including duplexers and triplexers) have been deployed in thousands of base stations worldwide.



### Features & Benefits:

- > B-Band specific filtering
- > 70+ dB of rejection at 896 MHz eliminates interference with Nextel 900 receive
- > Low insertion loss preserves network performance
- > Convenient mounting options make for easy installation
- > Custom mounting assemblies available for many base stations including Lucent Series II
- > High power handling for use in any site including rural or heavy use environments
- > Pretuned for simple drop-in integration