

Lorch Microwave's PCS D Band Duplexer provides high transmit to receive selectivity while minimizing insertion loss. The unit is available with temperature compensation and weatherproofing as an option for use in more extreme environmental conditions.

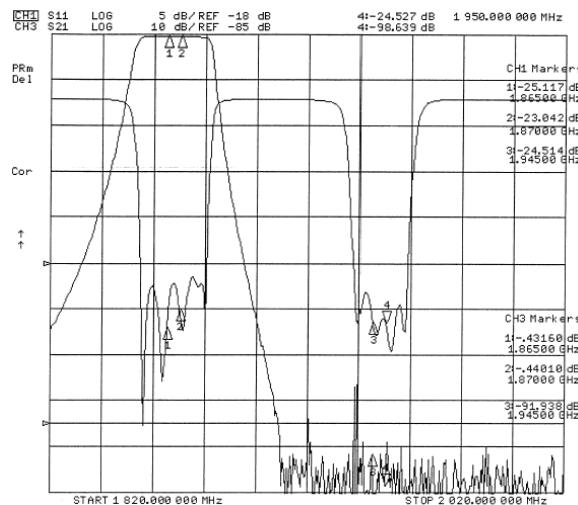


Standard Design Features

Passbands	
Receive	1865-1870 MHz
Transmit	1945-1950 MHz
Passband Insertion Loss	0.5 db typ, 1.0 dB max
Passband Return Loss	18 dB min
Antenna to Transmit Rejection	
1850-1865 MHz	80 dB min
1865-1870 MHz	100 dB typ, 80 dB min
1870-1910 MHz	50 dB min
Antenna to Receive Rejection	
1930-1945 MHz	80 dB min
1945-1950 MHz	100 dB typ, 80 dB min
1965-1990 MHz	80 dB min
Rx - Tx Isolation	80 dB min
Power Handling	
CW	200 Watts
Peak	1000 Watts
Third Order Intermod	110 dBm min with two +43 dBm tones
Operating Temperature	-20 to +70 deg C
Connectors	Low IM N or 7/16 DIN Female
Size	7.40" x 7.90" x 2.00"**

*Not including connectors

Receive Channel Data



Transmit Channel Data

