

LORCH MICROWAVE WD-50051 PCS Fullband Duplexer

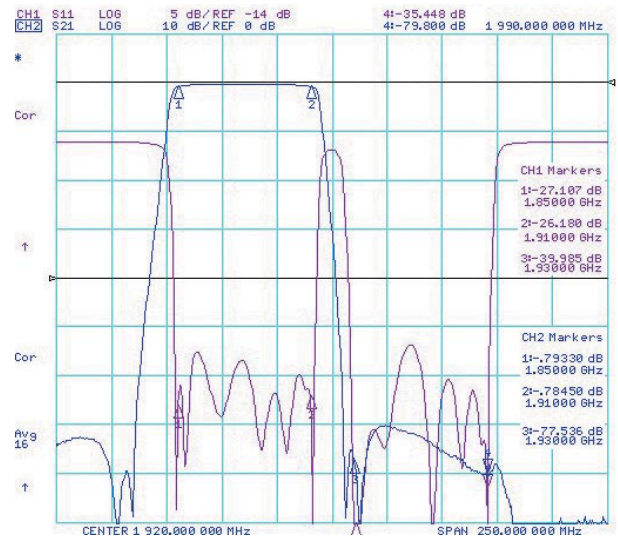
Lorch Microwave's PCS Fullband Duplexer provides high transmit to receive selectivity while minimizing insertion loss. The small footprint is attractive for applications where space is limited. The unit is available with temperature compensation and weatherproofing as an option for use in more extreme environmental conditions.



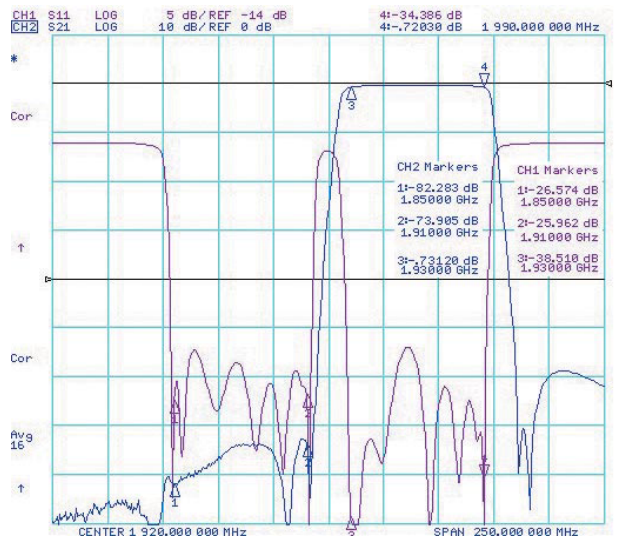
Standard Design Features

Passbands:	
Receive	1850-1910 MHz
Transmit	1930-1990 MHz
Passband Insertion Loss	0.7 dB typical, 1.0 dB maximum
Passband Return Loss	17 dB minimum
Antenna to Receive Rejection:	
0.30-1800 MHz	60 dB minimum
1930-1990 MHz	60 dB minimum
1990-4500 MHz	55 dB minimum
Antenna to Transmit Rejection:	
0.30-1850 MHz	60 dB minimum
1850-1910 MHz	60 dB minimum
2015-4500 MHz	55 dB minimum
Channel to Channel Isolation	65 dB minimum
Power Handling:	
CW	100 watts
Peak	800 watts
Multi-carrier	6 carriers @ 10 watts each
Operating Temperature	-20 to +70 °C
Connectors	7/16 DIN or N female
Size	6.00" x 5.50" x 1.88" *

* Not Including Connectors



Receive Channel



Transmit Channel