

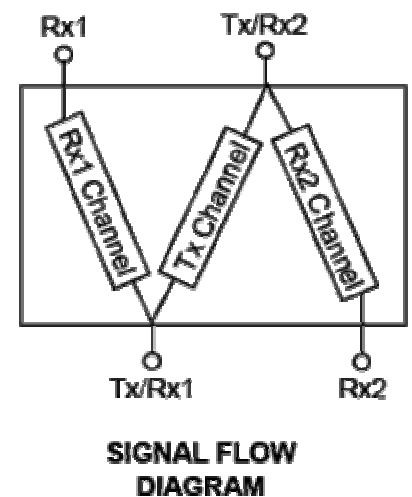
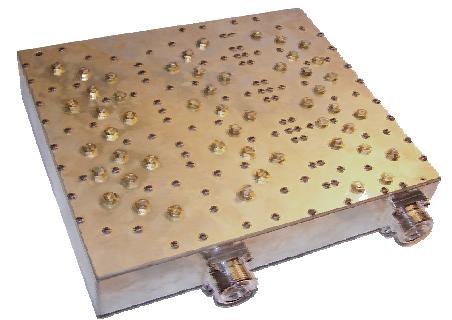


WIRELESS PRODUCTS

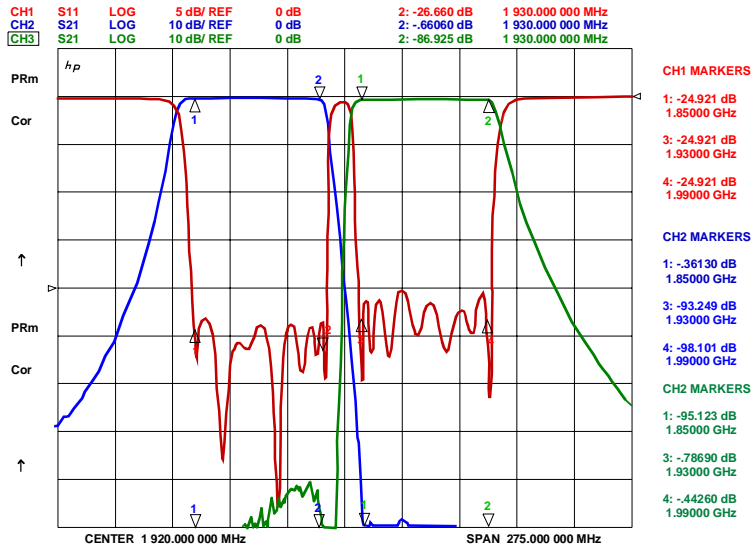
1900 Band Dual Duplexer

ClearComm Technologies' model number **CCFA-183-1** is a highly selective, 1900 Band "Dual" Duplexer. It offers low insertion loss combined with high band to band isolation. This duplexer is specifically design to allow combining of mixed mode signals for antenna sharing. The duplexer passes the full receive and transmit bands with insertion losses of 0.8 dB maximum. Isolation between receive and transmit bands is greater than 80 dB. The unit has been specifically designed for high power base station applications. Power handling is 800 Watts average or CW and 15 kW peak. The approximate size of the unit is 10.5" x 9.45" x 2.2". 7/16 DIN female connectors are provided on the unit. Mounting options include rack mountable, ladder suspension as well as customized mechanical configurations. An outdoor, weather-sealed option is available also. For use with TMA's, a DC pass thru is offered. For requirements specific to your needs, please contact ClearComm Technologies, LLC.

PARAMETER	SPECIFICATION
PASSBAND	
RECEIVE, Rx1 and Rx2	1850 - 1910 MHz
TRANSMIT (Tx)	1930 - 1990 MHz
PASSBAND INSERTION LOSS	0.8 dB Max.
INSERTION LOSS VARIATION	0.4 dB Max.
PASSBAND RETURN LOSS	18 dB Min.
PASSIVE INTERMODS	-160 dBc
REJECTION	
TRANSMIT TO Rx1 or Rx2	80 dB Min.
Rx1 OR Rx2 TO TRANSMIT	80 dB Min.
POWER HANDLING	800 W Avg. / CW 15 kW Peak
OPERATING TEMPERATURE	0° to +60° C
CONNECTORS	7/16 DIN Female
DIMENSIONS	10.5" x 9.45" x 2.2" (See Outline)
AVAILABLE OPTIONS	<ul style="list-style-type: none"> • Mounting, Tower, Cable tray, Ladder or Rack Mount Options Available • DC Pass on Rx Ports • Outdoor – Weather sealed



TYPICAL PERFORMANCE DATA



OUTLINE DIMENSIONS

