



WIRELESS PRODUCTS

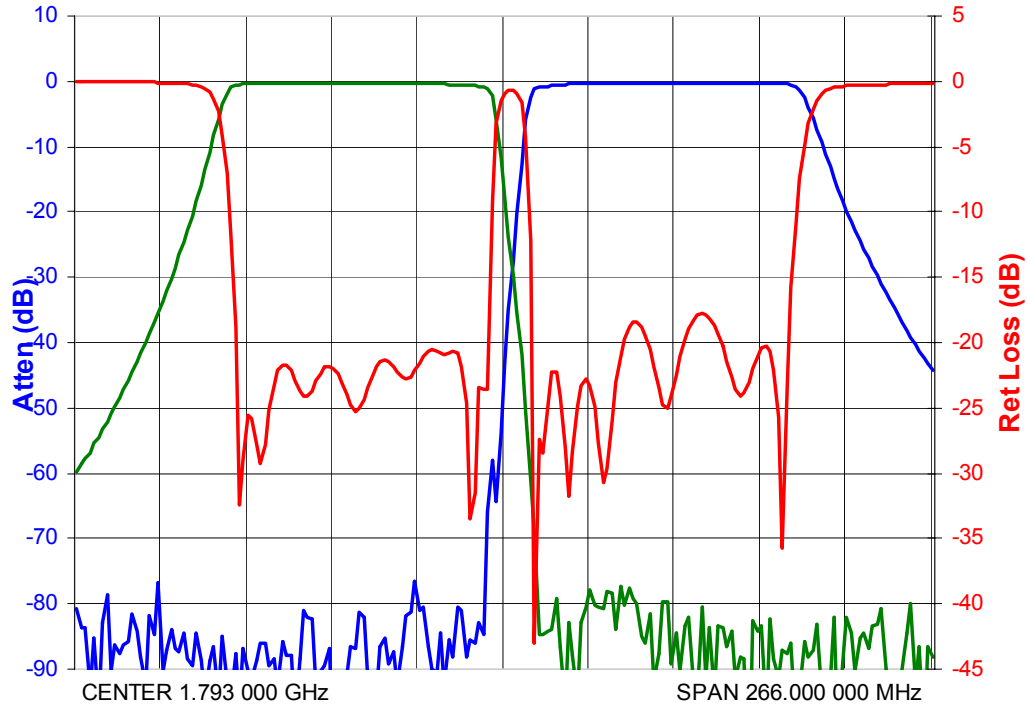
1800 Band Duplexer

ClearComm Technologies' model number **CCDP-558** is a low loss, highly selective 1800 Band (DCS) Duplexer. The filter is designed to pass the full receive and transmit bands with insertion losses of 1.0 dB maximum. Isolation between receive and transmit bands is greater than 85 dB. The Duplexer was specifically designed applications where a smaller size is needed. Power handling is 30 Watts average or CW and 300W peak. The approximate size of the unit is 6.3 x 5.3 x 2.0" max. Standard connectors are SMA female although Type 'N' Female and 7/16 DIN connectors are also available. Mounting options include rack mountable, ladder suspension as well as customized mechanical configurations. For requirements specific to your needs, please contact ClearComm Technologies, LLC.

PARAMETER	SPECIFICATION
PASSBAND	
RECEIVE	1710 - 1785 MHz
TRANSMIT	1805 - 1880 MHz
PASSBAND INSERTION LOSS	1.0 dB Max.
INSERTION LOSS VARIATION	0.5 dB Max.
PASSBAND RETURN LOSS	18 dB Min.
ISOLATION	
TRANSMIT TO RECEIVE	85 dB Min.
RECEIVE TO TRANSMIT	85 dB Min.
POWER HANDLING	30 W Avg. / CW 300 W Peak
OPERATING TEMPERATURE ¹	0° to +60° C
CONNECTORS	SMA Female
DIMENSIONS	6.3 x 5.3 x 2.0" (See Outline)
AVAILABLE OPTIONS	<ul style="list-style-type: none"> Mounting, Tower, Cable Tray, Ladder or Rack Mount Options Available Outdoor – Weather-sealed DC Pass Thru (Rx to ANT Port)

Notes:
1 – Extended temperature range of -40 to +85° C with slightly degraded electrical performance

TYPICAL PERFORMANCE DATA



OUTLINE DIMENSIONS

