



WIRELESS PRODUCTS

1900 Band Duplexer

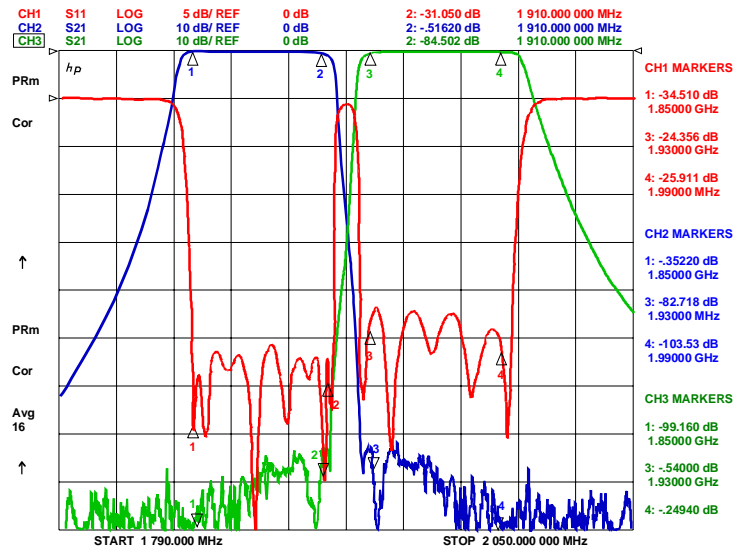
ClearComm Technologies' model number **CCDP-432-1** is a low loss, highly selective 1900 Band Duplexer. The filter is designed to pass the full receive and transmit bands with insertion losses of 0.8 dB maximum. Isolation between receive and transmits bands is greater than 80 dB. Rejection is also specified above the transmit band offering 60 dB minimum attenuation to 5000 MHz. The Duplexer was specifically designed for high power applications. Power handling is 800 Watts average or CW and 16 kW peak. The approximate size of the unit is 8.9" x 7.0" x 2.2". Standard connectors are 7/16 DIN female. Mounting options include rack mountable, ladder suspension as well as customized mechanical configurations. An outdoor, weather-sealed option and DC pass thru is available also. For requirements specific to your needs, please contact ClearComm Technologies, LLC.

PARAMETER	SPECIFICATION
PASSBAND	
RECEIVE	1850 - 1910 MHz
TRANSMIT	1930 – 1990 MHz
PASSBAND INSERTION LOSS	0.8 dB Max.
INSERTION LOSS VARIATION	0.5 dB Max.
PASSBAND RETURN LOSS	20 dB Min.
ISOLATION	
TRANSMIT TO RECEIVE	80 dB Min.
RECEIVE TO TRANSMIT	80 dB Min.
PASSIVE INTERMODS (with two +44 dBm tones)	-120 dBm (as measured in Rx Band)
POWER HANDLING	800 W Avg. / CW 16 kW Peak
OPERATING TEMPERATURE ¹	0° to +60° C
CONNECTORS	7/16 DIN Female
DIMENSIONS	8.9" x 7.0" x 2.2" (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

