



WIRELESS PRODUCTS

AWS Band Duplexer

ClearComm Technologies' model number **CCDP-620-1** is a highly selective, AWS Band Duplexer. It offers low insertion loss combined with specific, out of band rejections. The Duplexer is designed to pass the full receive and transmit bands with insertion losses of 0.5 dB maximum. Isolation between receive and transmits bands is greater than 80 dB. The unit has been specifically designed for high rejection of channels in the 850 (AMPS) and 1900 (PCS) Bands. Power handling is 500 Watts average or CW and 12.5 kW peak. The approximate size of the unit is 4.5 x 5.0 x 2.0". 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 requirements specific to your needs, please contact ClearComm Technologies, LLC.

PARAMETER	SPECIFICATION
PASSBAND RECEIVE TRANSMIT	1710 – 1755 MHz 2110 - 2155 MHz
PASSBAND INSERTION LOSS	0.5 dB Max.
INSERTION LOSS VARIATION	0.3 dB Max.
PASSBAND RETURN LOSS	18 dB Min
ISOLATION TRANSMIT TO RECEIVE RECEIVE TO TRANSMIT	80 dB Min. 80 dB Min.
REJECTION RECEIVE CHANNEL 1930 – 1900 MHz DC – 1000 MHz TRANSMIT CHANNEL DC – 1990 MHz	80 dB Min. 80 dB Min. 80 dB Min.
PASSIVE INTERMODS (with two +44 dBm tones)	-120 dBm (as measured in Rx band)
POWER HANDLING	500 W Avg. / CW 12.5 kW Peak
OPERATING TEMPERATURE ¹	0° to +60° C
CONNECTORS	7/16 DIN Female
DIMENSIONS	4.5" x 5.0" x 2.0"
AVAILABLE OPTIONS	<ul style="list-style-type: none"> • Mounting, Tower, Cable Tray, Ladder or Rack Mount Options Available • Outdoor – Weather-sealed

Notes:

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



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TYPICAL PERFORMANCE DATA

