



## WIRELESS PRODUCTS

### DCS / UMTS Band Diplexer

ClearComm Technologies' model number **CCDP-662W** is a low loss, highly selective Diplexer for combining DCS (1800) and UMTS (2100) Bands. The filter is designed to pass the full receive and transmit portions of each band with insertion losses of 0.5 dB maximum. Isolation between receive and transmit bands is greater than 55 dB. The Diplexer was specifically designed applications where a smaller size is needed. Power handling is 120 Watts average or CW and 2500W peak. Standard connectors are Type 'N' Female. The unit is weatherized to IP-68 and may be used in sheltered or non-sheltered environments. For requirements specific to your needs, please contact ClearComm Technologies, LLC.

PARAMETER	SPECIFICATION
PASSBAND	
DCS Band	1710 – 1880 MHz
UMTS Band	1920 – 2170 MHz
PASSBAND INSERTION LOSS	0.5 dB Max.
INSERTION LOSS VARIATION	0.15 dB Max.
PASSBAND RETURN LOSS	20 dB Min.
ISOLATION	
DCS -> UMTS	55 dB Min.
UMTS -> DCS	55 dB Min.
GROUP DELAY	100 nS Max
POWER HANDLING	120 W Avg. / CW 2500 W Peak
I.M. PRODUCTS	-156 dBc
OPERATING TEMPERATURE	-20° to +65° C
STORAGE TEMPERATURE	-40° to +85° C
CONNECTORS	Type 'N' Female
DIMENSIONS	5.72 x 5.12 x 1.80" [145 x 130 x 46mm]
WEATHERIZATION	Per IP-68