



WIRELESS PRODUCTS

Multi-Band Combiner

ClearComm Technologies' CCDP-643-1W, Multi-Band Combiner series is a high performance Diplexer / Combiner that allows the use of common cabling for both 900 (EGSM), 1800 (DCS) and 2100 (UMTS) bands. The unit provides a means to combine or split the 900 band with the 1800 and 2100 bands while providing high isolation. This product has very low Insertion Loss of less than 0.2 dB and a rated Return Loss of 24 dB min to make the introduction of the device transparent to the BTS. The device is IP-68 rated for use with indoor or outdoor applications. Available options include DC pass thru for TMA applications and a sample port for power monitoring. Units are provided with long-neck 7/16 DIN connectors for ease of connector-cable sealing in outdoor applications. For requirements specific to your needs, please contact ClearComm Technologies, LLC.

PARAMETER	SPECIFICATION
PASSBANDS	
EGSM Band	880 – 960 MHz
PCS Band	1710 – 2170 MHz
PASSBAND INSERTION LOSS	0.2 dB Max.
PASSBAND RETURN LOSS	24 dB Min
ISOLATION	75 dB Min.
PASSIVE INTERMODS (with two +43 dBm tones)	-110 dBm
POWER HANDLING	750 W CW / AVG. 12 kW Peak
OPERATING TEMPERATURE	-40° to +85° C
ENVIRONMENTAL	Per ETS-300
WEATHERIZATION	Per IP-68
LIGHTENING PROTECTION	Per EN / IEC 61000 4-5, Level 4
CONNECTORS	7/16 DIN Female - Long Neck
DIMENSIONS	7.85" x 6.85" x 2.13" (See Outline)
WEIGHT	5.5 lbs (2.2 kg) with brackets
AVAILABLE OPTIONS	<ul style="list-style-type: none"> • DC Path thru 900, 1800-2100 or both ports to Ant. Rated at 3A Max. • RF Sample Port, -50 ± 1 dB • Mounting: Tower, Cable Tray, Ladder or Rack Mount Options Available

