



# WIRELESS PRODUCTS

## 900 / 1800 Band Diplexer

ClearComm Technologies' CCDP-625-1W Diplexer series is a high performance Diplexer / Combiner that allows the use of common cabling for both 900 (EGSM), 1800 (DCS) bands. The unit provides a means to combine or split the 900 band with the 1800 band 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	
900 EGSM Band	880 – 960 MHz
1800 (DCS) Band	1710 – 1880 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"> <li>• DC Path thru 900, 1800-2100 or both ports to Ant. Rated at 3A Max.</li> <li>• RF Sample Port, -50 ± 1 dB</li> <li>• Mounting: Tower, Cable Tray, Ladder or Rack Mount Options Available</li> </ul>

