

Outdoor Dual Band Combiner

1710 - 1880 and 1920 - 2170 MHz

PRODUCT FEATURES

- Enables feeder sharing between DCS1800 and UMTS system
- High power handling and low loss – maximizes system performance
- 500 W maximum output power rating
- High isolation – minimizes interference
- Build with optional DC bypass, to be used in applications with or without Tower Mounted Amplifiers installed
- Available as a single unit or double unit



TECHNICAL SPECIFICATIONS		
ELECTRICAL		
FREQUENCY RANGE	1710 - 1880 MHz	1920 - 2170 MHz
INSERTION LOSS	≤0.3 dB	
ISOLATION BETWEEN PORTS	≥50 dB	
RETURN LOSS	≥20 dB	
MAXIMUM INPUT POWER PER PORT	250 W	
INTERMODULATION PRODUCTS	≤-155 dBc @ 2x43 dBm	
IMPEDANCE	50 Ohm	
MECHANICAL		
DIMENSIONS (L x W x H), excluding connectors and mounting bracket	Single unit: 332 x 146 x 86 mm (13.1 x 5.7 x 3.4 in) Double units: 303 x 173 x 106 mm (11.9 x 6.8 x 4.2 in)	
WEIGHT , including connectors and mounting bracket	Single unit: 3.2 kg (7.7 lb) Double units: 5.8 kg (13.2 lb)	
COLOR	Light Grey	
RF CONNECTORS	7/16 DIN-Female	
MOUNTING KITS	Pole (clamps included for ø 35-125 mm Pole) or Wall mounted	
OPERATING TEMPERATURE RANGE	-40 to +65°C	
OPERATIONAL HUMIDITY	≤95%	
ENVIRONMENT CLASS	IP66 (Indoor or Outdoor)	
SHIPPING DIMENSIONS (L x W x H)	Single unit: 445 x 240 x 265 mm (17.5 x 9.4 x 10.4 in) Double units: 445 x 240 x 265 mm (17.5 x 9.4 x 10.4 in)	
SHIPPING WEIGHT	Single unit: 4.5 kg (9.9 lb) Double units: 7.2 kg (15.8 lb)	
LIGHTNING PROTECTION	Comply with IEC 61000-4-5; 8kA, 8/20µs	
MTBF	Single unit: >1,000,000 h Double units: >500,000 h	

ORDERING INFORMATION		
SINGLE UNIT MODEL NUMBER	DOUBLE UNITS MODEL NUMBER	DC BYPASS OPTIONAL
COMD-1722-CA00	COMD-1722-CD00	No DC Bypass
COMD-1722-CA01	COMD-1722-CD01	DC Bypass @1710-1880
COMD-1722-CA02	COMD-1722-CD02	DC Bypass @1920-2170
COMD-1722-CA03	COMD-1722-CD03	Full DC Bypass

BLOCK DIAGRAM

