

# Outdoor Dual-band Combiner

## 1710 - 2170 and 2300 - 2690 MHz

### PRODUCT FEATURES

- Designed for feeder sharing and co-location purpose
- Long connectors allow ease of waterproofing
- High power handling and low loss-maximizes system performance
- High isolation-minimizes interference
- Built with optional DC bypass, to be used with Tower Mounted Amplifiers and AISG compliant devices



ELECTRICAL		COMD-1727-CXXX	
<b>FREQUENCY</b>	1710 - 2170 MHz	2300 - 2690 MHz	
<b>INSERTION LOSS</b>	≤0.3 dB		
<b>ISOLATION BETWEEN BANDS</b>	≥70 dB		
<b>RETURN LOSS</b>	≥20 dB		
<b>MAXIMUM INPUT POWER PER PORT</b>	300 W		
<b>INTERMODULATION PRODUCTS</b>	≤-155 dBc @ 2x43 dBm		
<b>IMPEDANCE</b>	50 Ohm		

MECHANICAL			
<b>DIMENSIONS, L x W x H</b> (excluding connectors and mounting bracket)	Single	142 x 121 x 58 mm (5.6 x 4.8 x 2.3 in)	
	Double	142 x 121 x 118 mm (5.6 x 4.8 x 4.6 in)	
<b>WEIGHT, L x W x H</b> (including connectors and mounting bracket)	Single	2.2 kg (4.8 lb)	
	Double	4.4 kg (9.7 lb)	
<b>COLOR</b>	Light Grey		
<b>RF CONNECTORS</b>	7/16 DIN-Female		
<b>MOUNTING KIT</b>	Pole (clamps included for Ø 35-125 mm Pole) or Wall mounted		
<b>OPERATING TEMPERATURE RANGE</b>	-40 to +65 °C		
<b>OPERATIONAL HUMIDITY</b>	≤95 %		
<b>ENVIRONMENTAL CLASS</b>	IP66 (Indoor or Outdoor)		
<b>SHIPPING DIMENSIONS, L x W x H</b>	Single	365 x 265 x 230 mm (14.4 x 10.4 x 9.0 in)	
	Double	405 x 225 x 275 mm (15.9 x 8.86 x 10.8 in)	
<b>SHIPPING WEIGHT</b>	Single	3.1 kg (6.8 lb)	
	Double	5.8 kg (12.8 lb)	
<b>LIGHTNING PROTECTION</b>	Comply with IEC 61000-4-5; 8 kA, 8/20 μs		
<b>MTBF</b>	Single	>1 000 000 h	
	Double	>500 000 h	

ORDERING INFORMATION		
ART NR SINGLE UNIT MODEL	ART NR SINGLE UNIT MODEL	DC BYPASS OPTIONAL
COMD-1727-CA00	COMD-1727-CD00	No DC Pass
COMD-1727-CA01	COMD-1727-CD01	DC Bypass @ 1710-2170
COMD-1727-CA02	COMD-1727-CD02	DC Bypass @ 2300-2690
COMD-1727-CA03	COMD-1727-CD03	Full DC Pass

### BLOCK DIAGRAM

