

# Outdoor Tri-band Combiner

## 380 - 960, 1710 - 2170 and 2300 - 2690 MHz

### PRODUCT FEATURES

- Designed for feeder sharing and co-location purpose
- High power handling and low loss-maximizes system performance
- High isolation-minimizes interference
- Built with optional DC (AISG signals) bypass, to be used with Tower Mounted
- Amplifiers and AISG compliant devices



TECHNICAL SPECIFICATIONS			
ELECTRICAL			
<b>FREQUENCY RANGE</b>	380 - 960 MHz	1710 - 2170 MHz	2300 - 2690 MHz
<b>INSERTION LOSS</b>	≤0.3 dB		
<b>ISOLATION BETWEEN PORTS</b>	≥60 dB (380 - 960 / 1710 - 2170 MHz) ≥60 dB (380 - 960 / 2300 - 2690 MHz) ≥55 dB (1710 - 2170 / 2300 - 2690 MHz)		
<b>RETURN LOSS</b>	≥20 dB		
<b>MAXIMUM INPUT POWER PER PORT</b>	250 W		
<b>INTERMODULATION PRODUCTS</b>	≤-155 dBc @ 2x43 dBm		
<b>IMPEDANCE</b>	50 Ohm		

MECHANICAL	
<b>DIMENSIONS</b> (L x W x H), excluding connectors and mounting bracket	Single unit: 187 x 158 x 50 mm (7.4 x 6.2 x 2.0 in) Double units: 187 x 158 x 102 mm (7.4 x 6.2 x 4.0 in)
<b>WEIGHT</b> , including connectors and mounting bracket	Single unit: 2.6 kg (5.7 lb) Double units: 5.2 kg (11.5 lb)
<b>COLOR</b>	Light Grey
<b>RF CONNECTORS</b>	7/16 DIN-Female
<b>MOUNTING KITS</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>ENVIRONMENT CLASS</b>	IP66 (Indoor or Outdoor)
<b>SHIPPING DIMENSIONS</b> (L x W x H)	Single unit: 392 x 247 x 185 mm (15.4 x 9.7 x 7.3 in) Double units: 400 x 300 x 220 mm (15.7 x 11.8 x 8.7 in)
<b>SHIPPING WEIGHT</b>	Single unit: 3.5 kg (7.7 lb) Double units: 6.1 kg (13.4 lb)
<b>LIGHTNING PROTECTION</b>	Comply with IEC 61000-4-5; 8kA, 8/20μs
<b>MTBF</b>	Single unit: >1,000,000 h Double units: >500,000

ORDERING INFORMATION		
SINGLE UNIT MODEL NUMBER	DOUBLE UNITS MODEL NUMBER	DC BYPASS OPTIONAL
COMT-0327-CA00	COMT-0327-CD00	No DC Bypass
COMT-0327-CA01	COMT-0327-CD01	DC Bypass @380-960
COMT-0327-CA02	COMT-0327-CD02	DC Bypass @1710-2170
COMT-0327-CA03	COMT-0327-CD03	DC Bypass @2300-2690
COMT-0327-CA04	COMT-0327-CD04	Full DC Bypass

### BLOCK DIAGRAM

