

Wide-band Diplexer

1710 - 2170 and 2400 - 2700 MHz



PRODUCT FEATURES

- Wide-band design enables feeder sharing between systems in the 1710-2170 MHz range and the 2400-2700 MHz range.
- Long connectors allow ease of waterproofing.
- High power handling and low loss – maximizes system performance.
- High isolation – minimizes interference.
- Built with full band DC bypass, to be used with Tower Mounted Amplifiers and AISG compliant devices.

TECHNICAL SPECIFICATIONS		
ELECTRICAL		
FREQUENCY RANGE	1710 - 2170 MHz	2400 - 2700 MHz
INSERTION LOSS	≤0.2 dB	≤0.2 dB
ISOLATION BETWEEN BANDS	≥ 50 dB	
RETURN LOSS	≥ 20 dB	
POWER HANDLING CONTINUOUS	≤ 250 W	
POWER HANDLING CONTINUOUS @ COMMON PORT	500 W average	
INTERMODULATION PRODUCTS	≤ -155 dBc @2 x 43dBm	
IMPEDANCE	50 Ohm	

MECHANICAL	
DIMENSIONS, (L x W x H) (including mounting brackets)	179 x 121 x 49.5 mm (7.0 x 4.8 x 1.9 in)
WEIGHT	2.5 kg (5.5 lb)
COLORS	Light Grey
HOUSING	Aluminum
RF CONNECTORS	DIN 7/16 female Pole (clamps included for ø 35-125mm) or wall mounted
MOUNTING KITS	

ENVIRONMENTAL	
OPERATIONAL TEMPERATURE	-40 to +65°C
OPERATIONAL HUMIDITY	≤95%
ENVIRONMENTAL CLASS	IP66 (Indoor or Outdoor)
EMC	ETS 300 342-3
LIGHTNING PROTECTION	Comply with IEC 61000-4-5; 8kA, 8/20µs
MTBF	> 1.000.000 h

ORDERING INFORMATION	
SINGLE	DOUBLE
COMD-1727-CAyz	COMD-1727-CDyz

BLOCK DIAGRAM

