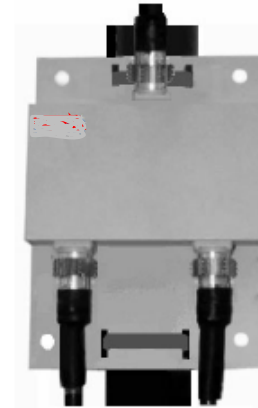


### Features

- Combines CDMA800/GSM900 and GSM1800 Band.
- 250W high input power.
- Low Loss – maximizes system performance.
- High isolation – minimizes interference.
- Compact – minimizes space requirements

### Product Description

The Comba range of diplexers provides compact and cost effective solutions for combining two different input frequency bands into one common output. The CM-2CDDD01 is an outdoor dual band diplexer designed to combine CDMA800/GSM900 and GSM1800 services. The product is particularly suited for integrating new GSM1800 services into existing CDMA800/GSM900 outdoor BTS antenna systems, thereby minimising cost and increasing speed of rollout.



### Technical Specifications

#### Electrical

Frequency Range – [MHz]	
- Low Band	806-960
- High Band	1710-1880
Insertion Loss – [dB]	
- Low Band : 800-960 MHz	< 0.3
- High Band : 1710-1880 MHz	< 0.3
Input Power Per Band – [W]	≤ 250
3rd Order Intermod – [dBc]	< -140
(at 2x43dBm carrier at either input)	
Pass Band Ripple, p-p – [dB]	< 0.3
Isolation Between Bands – [dB]	> 80
Group Delay – [nsec]	< 10
Return Loss – [dB]	> 20
Impedance – [ohm]	50

#### Mechanical

Dimension (excl. conn) LxWxH – [mm]	
- Without Pipe Mounting Plate	200 x 155 x 55
- With Pipe Mounting Plate (Optional)	240 x 200 x 58
Housing Material	Aluminum Alloy
Finishing	Grey Paint
Weight – [kg]	
- Without Mounting Plate	5.0 (approx)
- With Pipe Mounting Plate (Optional)	5.5 (approx)
Connector Type	7-16 DIN-Female
Mounting Hole – [mm]	4x M4 at bottom
Temperature Range – [°C]	-40 to +70
Operating Humidity – [%]	< 95
Environmental Class	IP65

### Mechanical Outline Drawing

