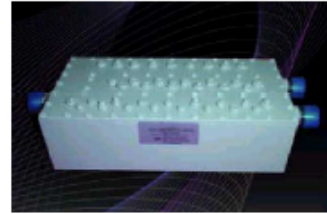


### Features

- Combines Cellular, PMDN, UMTS and ISM Bands.
- 150W High Power.
- No tuning required.
- 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. Designed using high performance filters, these units provide excellent inter-band isolation, low insertion loss and good intermodulation performance.

The CM-CLNN00 is a wideband diplexer designed to combine existing cellular and PMDN services from 800-2200MHz with WLAN. The product is particularly suited for integrating new WLAN services into existing inbuilding antenna distribution systems, thereby minimising cost and increasing speed of rollout.

### Technical Specifications

#### Electrical

Frequency Range – [MHz]	
- Low Band	800-960 / 1710-2170
- High Band	2400-2500
Insertion Loss – [dB]	
- Low Band : 800-960 MHz	< 0.4
- Low Band : 1710-2170 MHz	≤ 0.6
- High Band: 2400-2500 MHz	≤ 0.4
Input Power – [W]	≤ 150
3rd Order Intermod – [dBc]	-153
(at 2x43dBm carrier at either input)	
Pass Band Ripple (typ.) – [dB]	< 0.3
Isolation Between Bands – [dB]	≥ 60
Group Delay – [nsec]	< 100
Return Loss – [dB]	> 18
Impedance – [ohm]	50

#### Mechanical

Dimension (excl. conn) LxWxH – [mm]	160 x 110 x 50
Housing Material	Aluminum
Finish	Grey Paint
Weight – [kg]	1.0
Connector Type - Input	2x N-Female
Connector Type - Output	1x N-Female
Mounting Holes, at bottom	4 holes 10mm dia
Temperature Range – [°C]	-35 to +75
Operating Humidity – [%]	< 95
Environmental Class	Indoor

### Mechanical Outline Drawing

