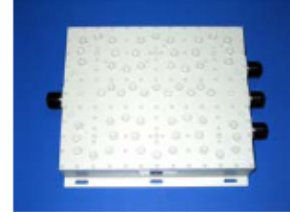


### Features

- Combines CDMA800, GSM900, GSM1800 and UMTS Bands.
- 150W high input power.
- Low Loss – maximizes system performance.
- High isolation – minimizes interference.
- Compact – minimizes space requirements



### Product Description

The Comba range of triplexers provides compact and cost effective solutions for combining three different input frequency bands into one common output. The CM-CG/DCS/3GNN00 is a wideband Triplexer designed to combine existing CDMA800, GSM900, GSM1800 and UMTS services from 800-2170MHz. The product is particularly suited for integrating new UMTS services into existing 2G inbuilding antenna distribution systems, thereby minimising cost and increasing speed of rollout.

### Technical Specifications

#### Electrical

Frequency Range – [MHz]	
- Low Band	800-960
- Mid Band	1710-1880
- High Band	1920-2170
Insertion Loss – [dB]	
- Low Band : 800-960 MHz	< 0.4
- Low Band : 1710-1880 MHz	≤ 0.6
- High Band : 1920-2170 MHz	≤ 0.6
Input Power – [W]	
- Low and Mid Band	≤ 150
- High Band	≤ 80
3rd Order Intermod – [dBc] (at 2x43dBm carrier at either input)	-153
Pass Band Ripple (typ.) – [dB]	
- Low Band	< 0.3
- Mid and High Band	< 0.4
Isolation Between Bands – [dB]	
- 2G / 2G	≥ 90
- 2G / 3G	≥ 60
Group Delay – [nsec]	< 100
DC Pass (at UMTS Port) – [mA]	1000
Return Loss – [dB]	> 20
Impedance – [ohm]	50

#### Mechanical

Dimension (excl. conn) LxWxH – [mm]	198x186x43
Housing Material	Aluminum
Finish	Grey Paint
Weight – [kg]	3.7
Connector Type - Input	3x N-Female
Connector Type - Output	1x N-Female
Mounting Holes, at bottom	6 holes x 10mm dia
Temperature Range – [°C]	-35 to +75
Operating Humidity – [%]	< 95
Environmental Class	Indoor

#### Mechanical Outline Drawing

