

#### Features

- High input power of 150W.
- Permits combining of multiple GSM1800 operator services.
- Low insertion loss of 5dB.
- Compact size permits space saving wall mount.

#### Product Description

The COM-DDN08 offers multi operator combining services for cost effective in-building solution. This high power combiner is specially designed to combine 3 different GSM1800 frequency bands to share a common antenna system. Each individual input provides full duplex capability according to customer frequency bands, while providing good isolation between bands. Main applications are in convention centers, exhibition halls, airports, underground tunnels and other large buildings.

With extensive range of passive components, Comba is capable of providing solutions for almost any combination of frequency bands, ensuring systems work correctly, and keeping insertion loss to a minimum.



#### Technical Specifications

##### Electrical

Frequency Range - [MHz]	
- GSM1800A, Uplink:	1710.0 - 1720.5
Downlink:	1805.0 - 1815.5
- GSM1800B, Uplink:	1744.8 - 1755.0
Downlink:	1839.8 - 1850.0
- GSM1800C, Uplink:	1759.9 - 1772.3
Downlink:	1854.9 - 1867.3
Insertion Loss - [dB]	
- GSM1800	< 5
Isolation - [dB]	
- Input Port	> 60
- TX/RX	> 90
Input Power Rating Per Port - [W]	150
Return Loss, Input Port - [dB]	> 20
Return Loss, Output Port - [dB]	> 20
3 <sup>rd</sup> Order IM3 @ 2 x 43dBm - [dBc]	> 125
Impedance - [ohm]	50

##### Mechanical

Dimension LxWxH - [mm]	557 x 300 x 185
Weight (approx.) - [kg]	30
Number of Monitoring Ports (-30dBc ±2)	9
Number of Output Ports	4
Number of Input Ports	5
Connector Type - Input	N-Female
Connector Type - Output	N-Female
Mounting	Wall Mount Case
Temperature Range - [°C]	-20 to +55
Operating Humidity - [%]	< 95
Environmental Class	Indoor