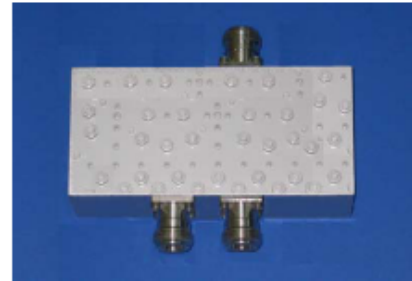


Features

- Combines CDMA800/GSM900 with GSM1800/UMTS Band.
- 200W 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-2WNN1D01 is an indoor wideband diplexer designed to combine CDMA800/GSM900 with GSM1800/UMTS services. The product is particularly suited for integrating new GSM1800 or UMTS services into existing CDMA800/GSM900 inbuilding systems, thereby minimizing cost and increasing speed of rollout.



Technical Specifications

Electrical

Frequency Range – [MHz]	
- Low Band	800-960
- High Band	1710-2170
Insertion Loss – [dB]	
- Low Band : 800-960 MHz	≤ 0.4
- High Band : 1710-2170 MHz	≤ 0.4
Input Power Per Band– [W]	≤ 200
Pass Band Ripple, p-p – [dB]	≤ 0.3
Out-of-Band Suppression – [dB]	≥ 80
Isolation Between Bands – [dB]	≥ 80
3 rd Order Intermodulation – [dBc]	≤ 140
(at 2x43dBm carriers at either input)	
Return Loss – [dB]	≥ 20
Impedance – [ohm]	50

Mechanical

Dimension (excl. conn) LxWxH – [mm]	180 x 68 x 51
Housing Material	Aluminum
Weight – [kg]	3.0
Connector Type - Input	2x N-Female
Connector Type - Output	1x N-Female
Mounting holes - [mm]	4x M4 at rear
Temperature Range – [°C]	-40 to +85
Operating Humidity – [%]	< 95
Environmental Class	Indoor

Mechanical Outline Drawing

