

Features

- High input power of 200W.
- Permits combining of CDMA800 and GSM900 services.
- Low insertion loss of 0.15dB.
- High inter-band isolation of >35dB.
- Two combined output ports for split cable systems.



Product Description

The Comba range of combiners 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 RB-NKC1 is designed to combine CDMA800 and GSM900 services. The product is particularly suited for integrating two operators' services into an existing inbuilding antenna distribution system, thereby minimizing cost and increasing speed of rollout.

Technical Specifications

Electrical

Frequency Range - [MHz]	800 -- 960
Insertion Loss - [dB]	≤ 0.15
Isolation - [dB]	≥ 35
Degree of Coupling - [dB]	3.1± 0.2
3 rd Order Intermodulation - [dBc]	≤ -130
Isolation between Bands - [dB]	≥ 35
Group Delay - [nsec]	≤ 1
Pass Band Ripple - [dB]	≤ 0.5
Input Power Rating Per Port - [W]	200
VSWR	≤ 1.1:1
Impedance - [ohm]	50

Mechanical

Dimension LxWxH - [mm]	88 x 66 x 20
Weight (approx.) - [kg]	0.2
Number of Output Ports	2
Number of Input Ports	2
Connector Type - Input	N-Female
Connector Type - Output	N-Female
Temperature Range - [°C]	-55 to +125
Operating Humidity - [%]	< 95
Environmental Class	Indoor

Note: Both output ports are the combined output of the two input ports. If only one antenna is connected to either output port, a dummy load should be attached to the other output port.

