

Features

- High input power of 200W.
- Permits combining of GSM1800 and UMTS services.
- Low insertion loss of 0.2dB.
- High isolation between input ports of >30dB.
- 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. These combiners are designed to provide low insertion loss and good intermodulation performance.

The RB-NKFO is designed to combine GSM1800 and UMTS 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] | 1710 -- 2200 |
| Insertion Loss - [dB] | ≤ 0.2 |
| Degree of Coupling (nominal) - [dB] | 3 |
| 3 rd Order Intermodulation - [dBc] | ≤ -130 |
| Isolation between Input Ports - [dB] | ≥ 30 |
| Group Delay - [nsec] | ≤ 1 |
| Pass Band Ripple - [dB] | ≤ 0.5 |
| Input Power Rating - [W] | 200 |
| VSWR | ≤ 1.15:1 |
| Nominal Impedance - [ohm] | 50 |

Mechanical

| | |
|--------------------------|--------------|
| Dimension LxWxH - [mm] | 88 x 87 x 20 |
| Weight (approx.) - [kg] | 0.3 |
| Number of Output Ports | 2 |
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| Connector Type - Input | N-Female |
| Connector Type - Output | N-Female |
| Temperature Range - [°C] | -40 to +80 |
| 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.

