

Quad band combiner 700/850/1800-2100/2300MHz

Feature

- Quad Band Combiner is an antenna duplexer that shares 4 frequencies.
- The product is designed 700/850/1800-2100/2300MHz for GSM/WCDMA/LTE System.
- It is equipped 1 output ports and 4 input ports and waterproof function.



Application

Cellular outdoor /indoor network.

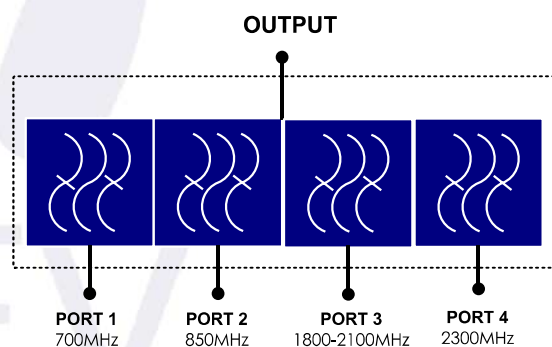
Electrical characteristics

| | Port1 | Port 2 | Port 3 | Port 4 |
|----------------------------------|---------------------------------------------------------------|------------|--------------|--------------|
| Frequency Band | 704~746MHz | 824~894MHz | 1770~2180MHz | 2305~2360MHz |
| Insertion Loss | $\leq 0.5\text{dB max}$ | | | |
| V.S.W.R | $\leq 1.2 \text{ max}$ | | | |
| Isolation (Between port 1 and 2) | $\geq 60\text{dB min}$ | | | |
| Impedance | 50Ω | | | |
| Passive Intermodulation (dBc) | $\leq -153\text{dBc}$ (3rd order, with $2\times 20\text{W}$) | | | |
| Average Maximum Power | CW 200W Max | | | |

Mechanical characteristics

| | |
|----------------|--------------------------------------------------------------------------------------------|
| Dimensions | 260x250x60 mm (Height x Width x Depth) |
| Weight | 4.0kg (not included Mounting Metal part) |
| Connector | 7/16 DIN-Female |
| Number of Port | Input: 4 ports, Output: 1 ports single Units Input: 8 ports, Output: 2 ports Dual Units |
| Mounting type | Wall & Poll |
| Bracket | Stainless steel |

Block diagram



Environmental characteristics

| | |
|-----------------------|-----------------------------------------------------|
| Operating Temperature | -30 to +75°C |
| Storage Temperature | -40 to +85°C |
| Relative Humidity | 0~98% ~ + 35°C |
| Waterproof | IP-67 |
| Lighting Protection | 3kA Lighting Surge Current Waveform 10/350 waveform |
| RoHS Applicant | Complied |

Drawing

