

# 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.

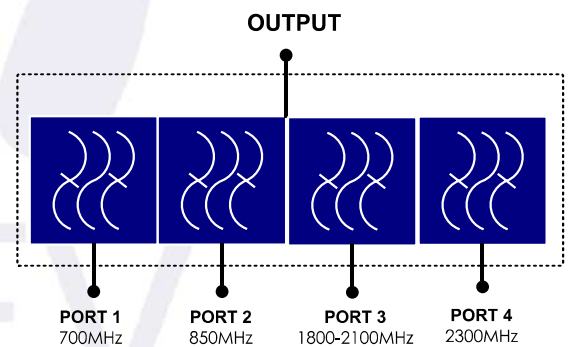
## Electrical characteristics

	Port1	Port 2	Port 3	Port 4
Frequency Band	704~746MHz	824~894MHz	1770~2180MHz	2305~2360MHz
Insertion Loss	≤ 0.5dB max			
V.S.W.R	≤ 1.2 max			
Isolation (Between port 1 and 2)	≥ 60dB min			
Impedance	50Ω			
Passive Intermodulation (dBc)	≤ -153dBc (3rd order, with 2×20W)			
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

