

# Dual band combiner 2100MHz/2600MHz

## Feature

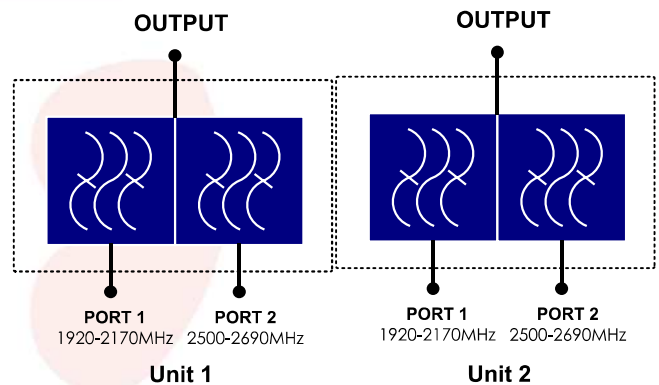
- Dual Band Combiner is an antenna duplexer that shares 2 frequencies.
- The product is designed 2100MHz/2600MHz for WCDMA/LTE System.
- It is equipped 2 output ports and 4 input ports and waterproof function.



## Application

Cellular outdoor /Indoor network.

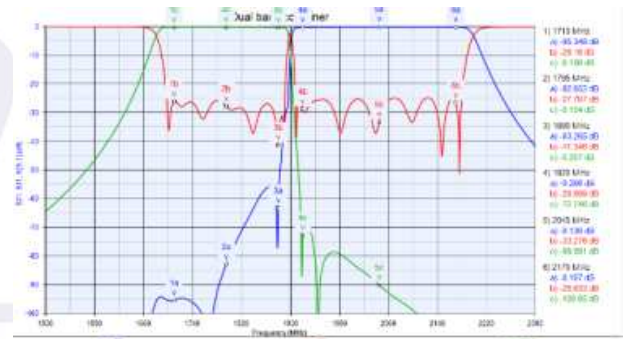
## Block diagram



## Electrical characteristics

	Port1	Port 2
Frequency Band	1920-2170MHz	2500-2690MHz
Insertion Loss	≤ 0.4dB max	≤ 0.4dB max
V.S.W.R	≤ 1.3 max.Typ. 1.17	
Isolation (Between port 1 and 2)	≥ 50dB min	
Impedance	50Ω	
Passive Intermodulation (dBc)	≤ -153dBc (3rd order, with 2×20W)	
Average Maximum Power	CW 250W Max	

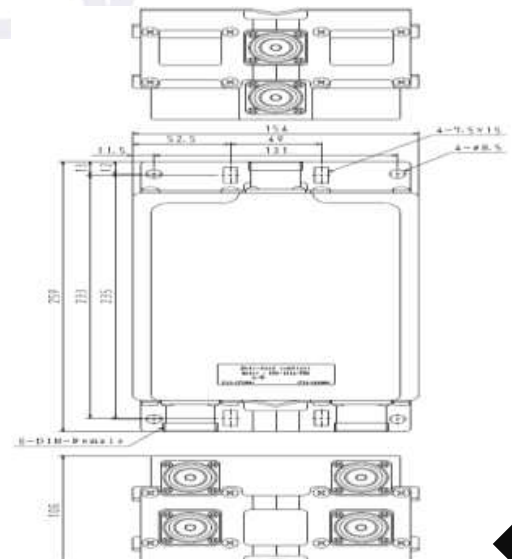
## Simulation



## Mechanical characteristics

Dimensions	259 × 154 × 206 mm (Height x Width x Depth)
Weight	Single Unit 3kg max Double Unit 5 kg max.
Connector	7-16 DIN female input and output ports ( customize to N or 4.3-10 )
Number of Port	Single Unit- Input: 2 ports, Output: 1 ports Double Unit - Input: 4 ports, Output: 2 ports
Mounting type	Wall & Poll
Bracket	Stainless steel

## Drawing



## Environmental characteristics

Operating Temperature	-30 to +60°C
Storage Temperature	-30 to +60°C
Relative Humidity	0~98% ~ +35°C
Waterproof	IP-66
Lighting Protection	3kA Lighting Surge Current Waveform 10/350 waveform
RoHS Applicant	Complied