

Triple band combiner 900/1800/2100MHz

Feature

- Triple Band Combiner is an antenna duplexer that shares 3 frequencies.
- The product is designed 900/1800/2100MHz for GSM/WCDMA/LTE System.
- It is equipped 2 output ports and 6 input ports and waterproof function.
- DC Pass port 3,6

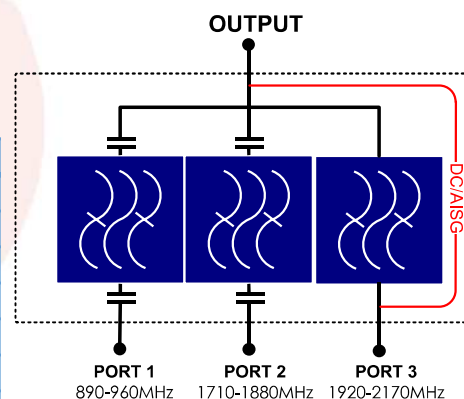
Application

Cellular outdoor /Indoor network.

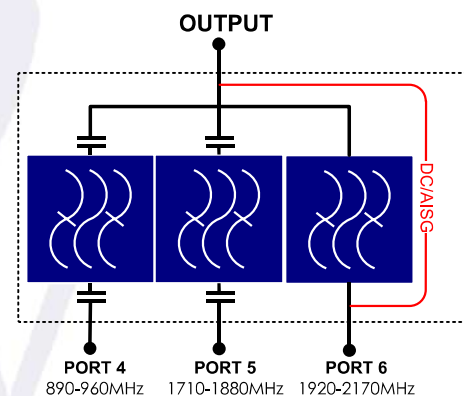
Block diagram

Electrical characteristics

	Port 1,4	Port 2,5	Port 3,6
Frequency Band	890~960MHz	1710-1880MHz	1920-2170MHz
Insertion Loss	0.75 dB max		
Return Loss	15 dB min		
Isolation between ports	50dB min		
Attenuation at 880-890MHz	Not applicable		
Impedance	50Ω All ports		
Passive Intermodulation	-155dBc (3 rd order with 2x43dBm)		
Average Maximum Power	CW 250W		
DC bypass	NA	NA	3A,30V
Ports that pass AISG signal	NA	NA	Yes
Ports that block AISG signal	Ports of 1800/2100MHz		



Unit 1



Unit 2

Mechanical characteristics

Dimensions	50x230x200 mm (Height x Width x Depth)
Weight	3 kg Max (Not included Band Clamp).
Connector	7-16 DIN- Female(customize 4.3-10 or N female)
Number of Port	Single Unit- Input: 3 ports, Output: 1 ports Double Unit - Input: 6 ports, Output: 2 ports
Mounting type	Wall & Poll
Bracket	Stainless steel

Environmental characteristics

Operating Temperature	-30 to +70°C
Relative Humidity	5~100% RH30 °C non-condensing
Waterproofing Class	IP67
Lightning Protection	3kA Lightning Surge Current Waveform 10/350 waveform
RoHS Applicant	Complied

Order information

TRI-1014-VEUE	DC bypass 1800MHz
TRI-1016-VEUE	DC bypass 900MHz

Drawing

