

Dual band combiner 3500MHz/4500MHz

Model : DUP-1088-UHSE

TMEV

5G

ready

Feature

5G Band Combiner is an antenna duplexer that shares 2 frequencies. The product is designed 3.5/4.5 GHz for 5G System. It is equipped 1 output ports and 2 input port and waterproof function

Application

- Telecommunication purpose
- Outdoor Antenna combiner for 5G (sub6band)

Electrical characteristics

	Port 1	Port 2
Frequency Band	3500~3690MHz	4600~4800MHz
Insertion Loss	0.5 dB max	
Return Loss	15 dB min	
Isolation between ports	60dB min	
Attenuation	60dBmin @3400~3600MHz 60dBmin @2305~2673MHz	
Impedance	50Ω All ports	
Passive Intermodulation	-160dBc (3 rd order with 2x43dBm)	
Average Maximum Power	CW 100W	

Mechanical characteristics

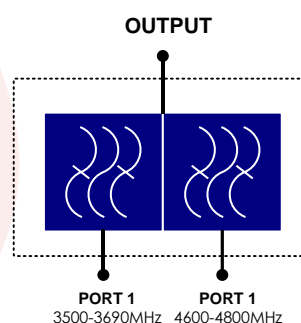
Dimensions	186x140x102.2mm (Height x Width x Depth)
Weight	TBD
Connector	4.3-10 female input and output ports (customize to N or 7-16 DIN)
Number of Port	Input: 2 ports, Output: 1 ports
Mounting type	Wall & Poll
Bracket	Stainless steel

Environmental characteristics

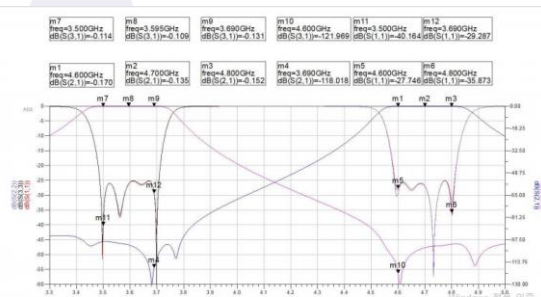
Operating Temperature	-20 to +85°C
Relative Humidity	0~98% RH30 °C non-condensing
Waterproofing Class	IP66
Lightning Protection	3kA Lightning Surge Current Waveform 10/350 waveform
RoHS Applicant	Complied



Block diagram



Simulation



Drawing

