

DUAL BAND COMBINER

PART NO. : WV-DBC-0919-3D-02

◆ APPLICATION

- > Integrates Wireless Bands(806MHz~960MHz,1710MHz~2170MHz)
- > Designs for Co-siting systems
- > Outdoor Application

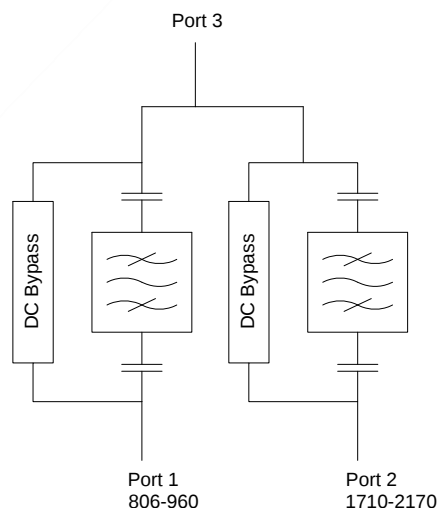
◆ FEATURE

- > High Reliability
- > **RoHS Compliant**
- > IP68-classified

◆ ELECTRICAL SPECIFICATION

ITEM	SPECIFICATION	
	BAND 1	BAND 2
Frequency Range	806MHz ~ 960MHz	1710MHz ~ 2170MHz
Bandwidth	154MHz	460MHz
Insertion Loss	0.15dB Typ. @ 806MHz ~ 960MHz(Port 1 ↔ Port 3) 0.25dB Typ. @ 1710MHz ~ 2000MHz(Port 2 ↔ Port 3) 0.35dB Typ. @ 2000MHz ~ 2170MHz(Port 2 ↔ Port 3)	
VSWR	1.2:1 Max	
Isolation (Port 1 ↔ Port 2)	45dB Min @ 806MHz ~ 824MHz 50dB Min @ 824MHz ~ 960MHz 50dB Min @ 1710MHz ~ 2170MHz	
Intermodulation	160dBc Min @ 2 nd /3 rd order; with 2x20W	
Input Power	250 Watts CW Max @ Port 1 250 Watts CW Max @ Port 2	
DC Bypass Function	2500mA Max between all ports	
Application	Indoor or outdoor(IP66)	
In/Out Impedance	50 Ohms Nominal	

◆ Block Diagram

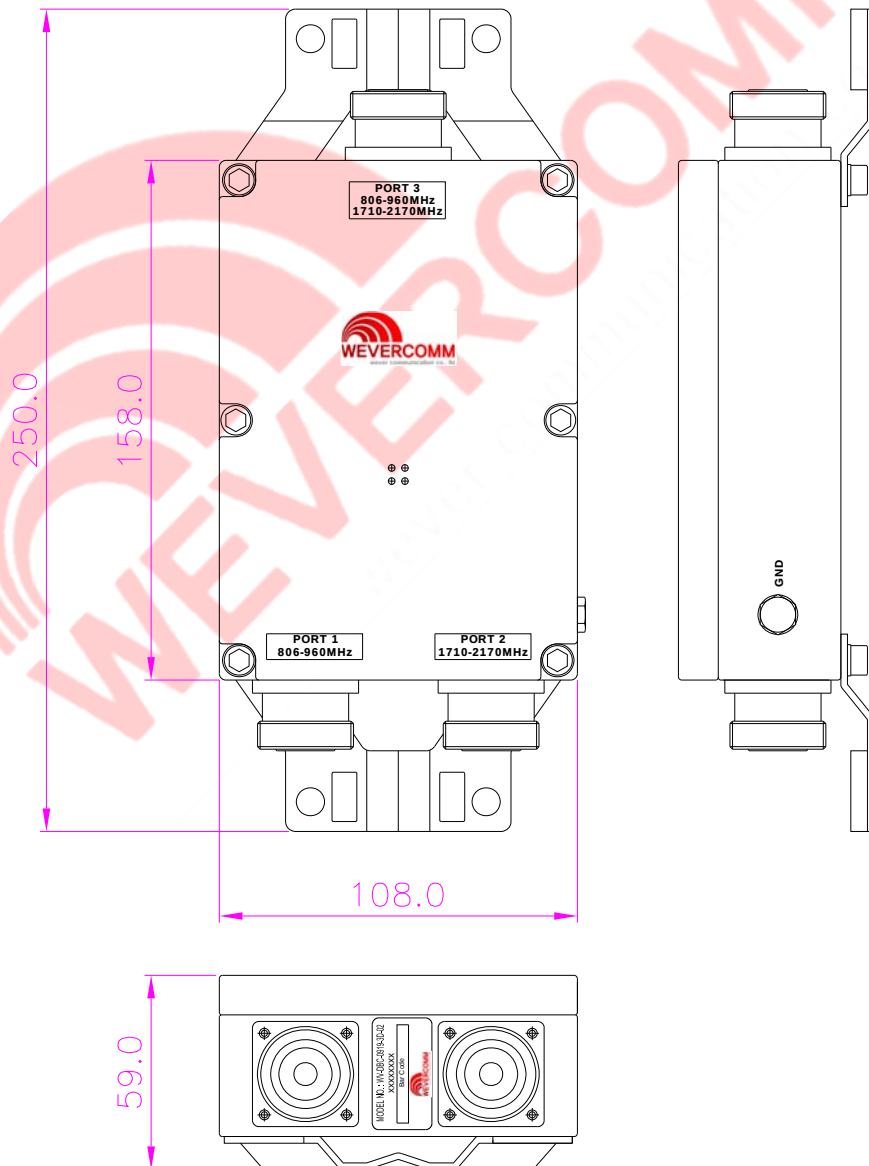


DUAL BAND COMBINER

MECHANICAL SPECIFICATIONS

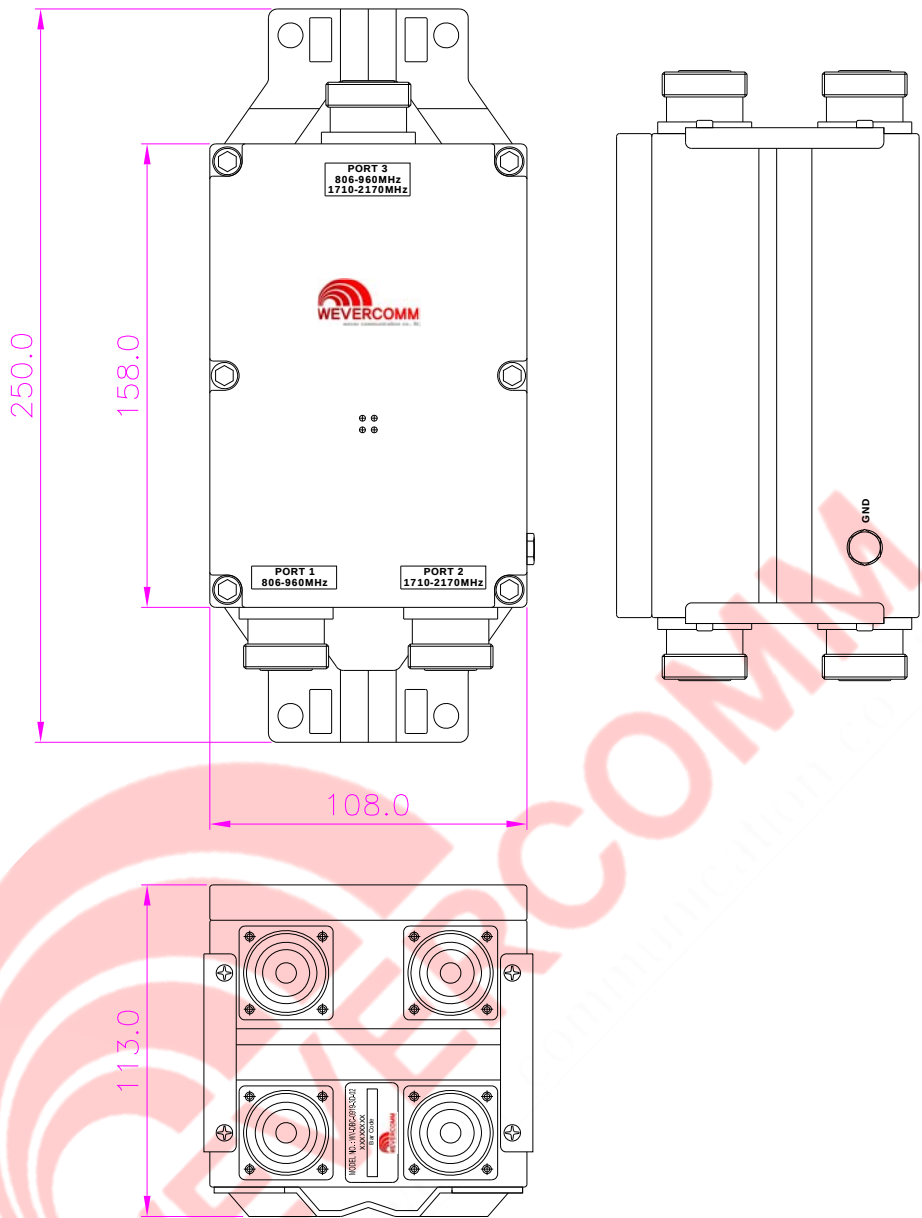
ITEM	SPECIFICATION
Dimension	Single Unit : 250.0 x 108.0 x 59.0 Max (unit:mm) Double Unit : 250.0 x 108.0 x 113.0 Max (unit:mm)
Weight	Single Unit : Around 1.6Kg Double Unit : Around 3.0Kg
Mounting Points	Wall or Pole
RF Connector	7/16 DIN Female Connector
Connector Position	See Outline Drawing
Clamp(Mounting kit)	6 inch – 2EA
Finish	Gray color epoxy coating

OUTLINE DRAWING



Single Unit

DUAL BAND COMBINER



Double Unit