

QUAD BAND COMBINER

PART NO. : WV-4MUL-ER-03

◆ APPLICATION

> for 380MHz ~ 960MHz / 1710MHz ~ 1880MHz /
1920MHz ~ 2200MHz/2500MHz ~ 2690MHz Band System

◆ FEATURE

> High Reliability
> **RoHS Compliant**

◆ ELECTRICAL SPECIFICATION

ITEM	SPECIFICATION
Frequency Range	Port 1: 380MHz ~ 960MHz Port 2 : 1710MHz ~ 1880MHz Port 3 : 1920MHz ~ 2200MHz Port D : 2500MHz ~ 2690MHz
Insertion Loss	Port 1 : 0.2dB Max(380MHz ~ 960MHz) Port 2 : 0.3dB Max(1710MHz ~ 1880MHz) Port 3 : 0.3dB Max(1920MHz ~ 2200MHz) Port 4 : 0.2dB Max(2500MHz ~ 2690MHz)
Isolation	
Port 1 ⇔ Port 2	45 dB Min (380MHz ~ 600 MHz) 50 dB Min (600MHz ~ 960MHz / 1710MHz ~ 1880 MHz)
Port 1 ⇔ Port 3	45 dB Min (380MHz ~ 600 MHz) 50 dB Min(600MHz ~ 960MHz / 1920MHz ~ 2200 MHz)
Port 1 ⇔ Port 4	45 dB Min (380MHz ~ 600 MHz) 50 dB Min(600MHz ~ 960MHz / 2500MHz ~ 2690 MHz)
Port 2 ⇔ Port 3	50 dB Min(1710MHz ~ 1880MHz / 1920MHz ~ 2200 MHz)
Port 2 ⇔ Port 4	50 dB Min(1710MHz ~ 1880MHz / 2500MHz ~ 2690 MHz)
Port 3 ⇔ Port 4	50 dB Min(1920MHz ~ 2200MHz / 2500MHz ~ 2690 MHz)
VSWR	1.25:1 Max(380-960/1710-1880/1920-2200/2500-2690MHz)
Input Power	Port 1 : 700W Max Port 2 : 300W Max Port 3 : 300W Max Port 4 : 200W Max
Intermodulation products	160dBc Min(3 rd order, with 2x20W)
DC/AISG transparency	
Port 1 ⇔ Port 5	By-Pass(Max 2500mA)
Port 2 ⇔ Port 5	By-Pass(Max 2500mA)
Port 3 ⇔ Port 5	By-Pass(Max 2500mA)
Port 4 ⇔ Port 5	By-Pass(Max 2500mA)
Lightning Protection	3kA, 10/350 us pulse
In/Out Impedance	50 Ohms nominal

QUAD BAND COMBINER

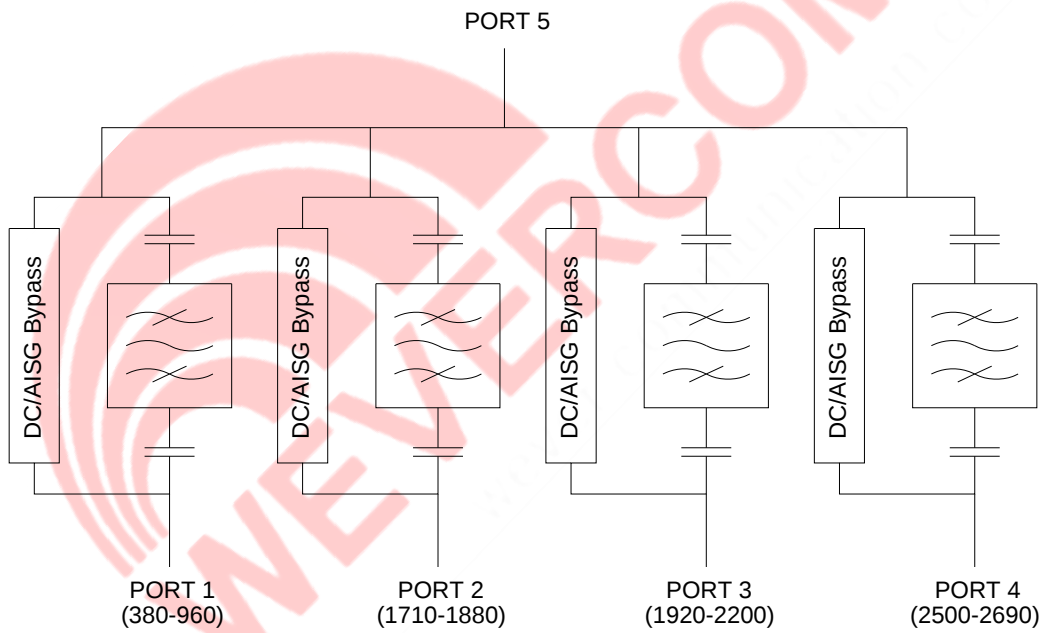
◆ ENVIRONMENTAL SPECIFICATIONS

ITEM	SPECIFICATION
Operating Temperature	-40°C to +60°C, IP66

◆ MECHANICAL SPECIFICATIONS

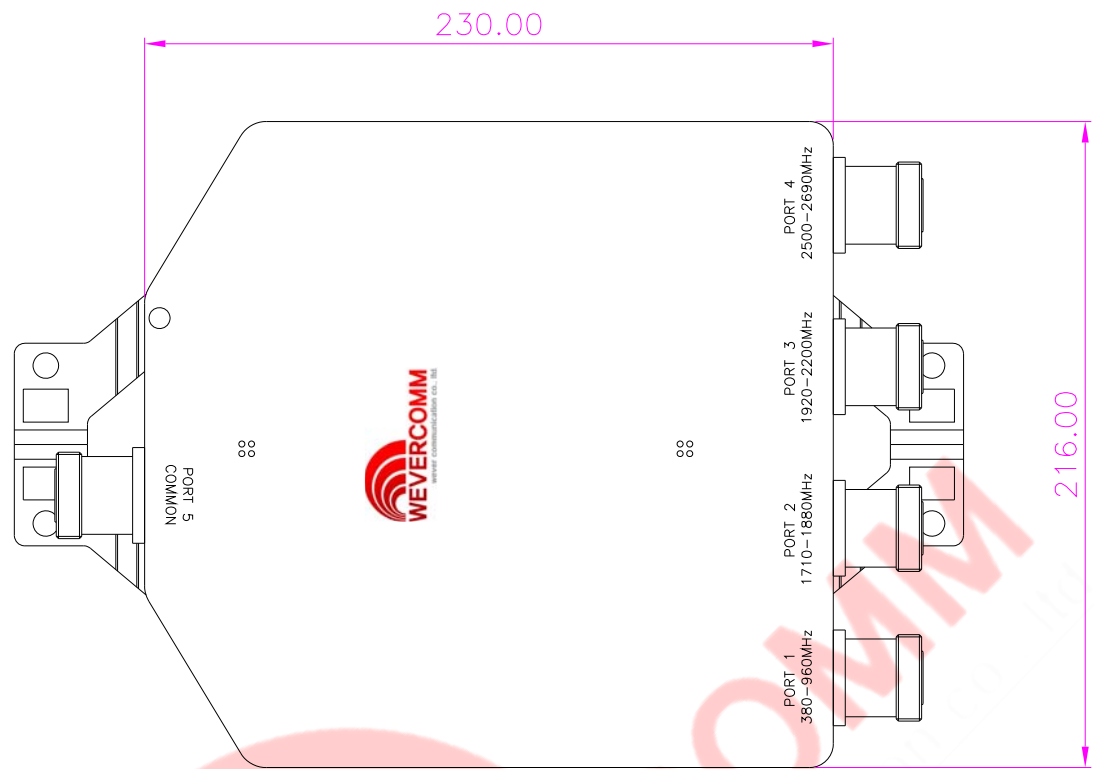
ITEM	SPECIFICATION
Dimension	Single Unit : 230 mm x 216.0 mm x 52.0 mm Double Unit : 230 mm x 216.0 mm x 106.0 mm
RF Connector	7/16 DIN Female Connector
Weight	Single Unit : Approx. 3.8 Kg Double Unit : Approx. 7.6 Kg
Finish	Gray color epoxy coating

◆ BLOCK DIAGRAM

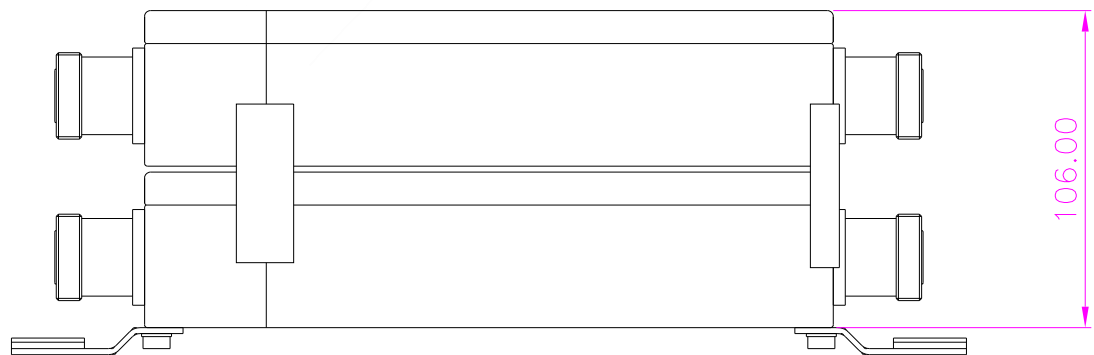


QUAD BAND COMBINER

◆ OUTLINE DRAWING

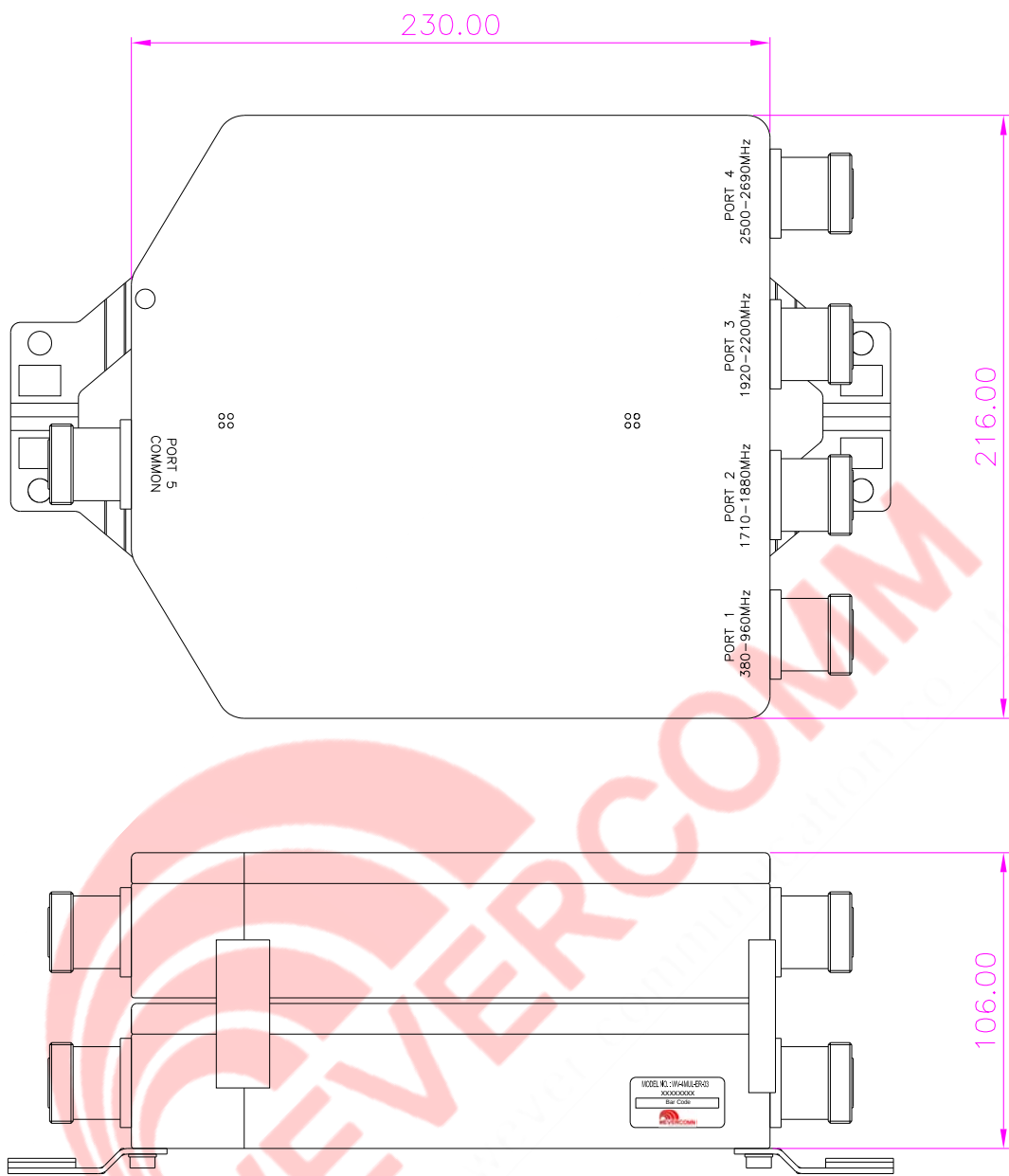


SINGLE UNIT



DOUBLE UNIT
SINGLE UNIT

QUAD BAND COMBINER



DOUBLE UNIT