

DUAL BAND COMBINER

PART NO. : WV-DBC-1821-3D02

◆ APPLICATION

- > Integrates Wireless Bands(1710MHz~1880MHz, 1920MHz~2170MHz)
- > Designs for Co-siting systems
- > Indoor/Outdoor Application

◆ FEATURE

- > High Reliability
- > **RoHS Compliant**

◆ ELECTRICAL SPECIFICATION

ITEM	SPECIFICATION	
	1800	2100
Frequency Range	1710MHz ~ 1880MHz	1920MHz ~ 2170MHz
Bandwidth	170MHz	250MHz
Insertion Loss	0.4dB Typ. 0.5dB Max	
Return Loss	20.0dB Min	
Pass Band Ripple	0.6dB Max	
Isolation(Port to Port)	70.0dB Min	70.0dB Min
PIMD	1800 Port, 2Tx@43 dBm (dBc), -160	2100Port, 2Tx@43 dBm (dBc), -160
Composite Power Handling	250 Watts Average, 3 KW peak	250 Watts Average, 3 KW peak
DC Pass	900 : DC Pass 2100 : DC Pass	
DC Pass Current	3A	
In/Out Impedance	50 Ohms Nominal	

◆ ENVIRONMENTAL SPECIFICATIONS

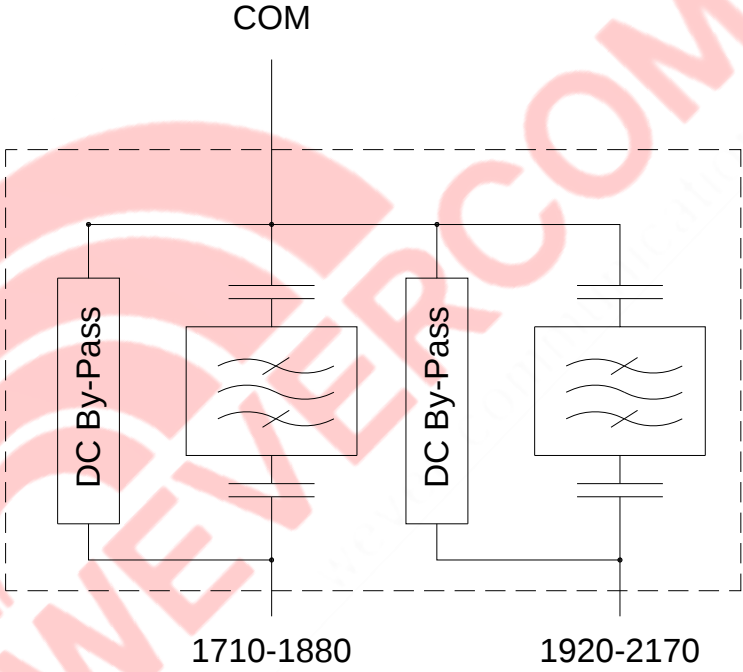
ITEM	SPECIFICATION
Operating Temperature	-40°C to +65°C
Environmental class	IP67
MTBF	10 Million Hours
Safety	EN60 950
Lightning Protection	20kA, 8/20 us
Environmental	ETS300 019

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◆ MECHANICAL SPECIFICATIONS

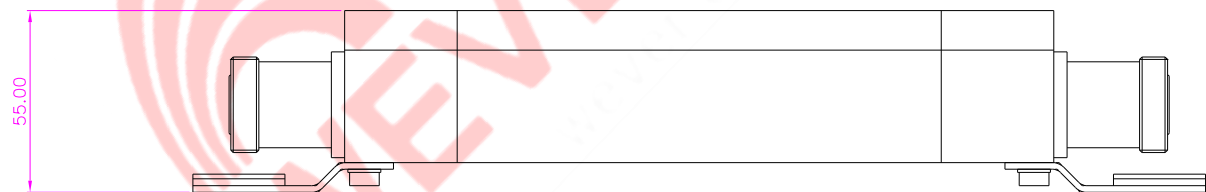
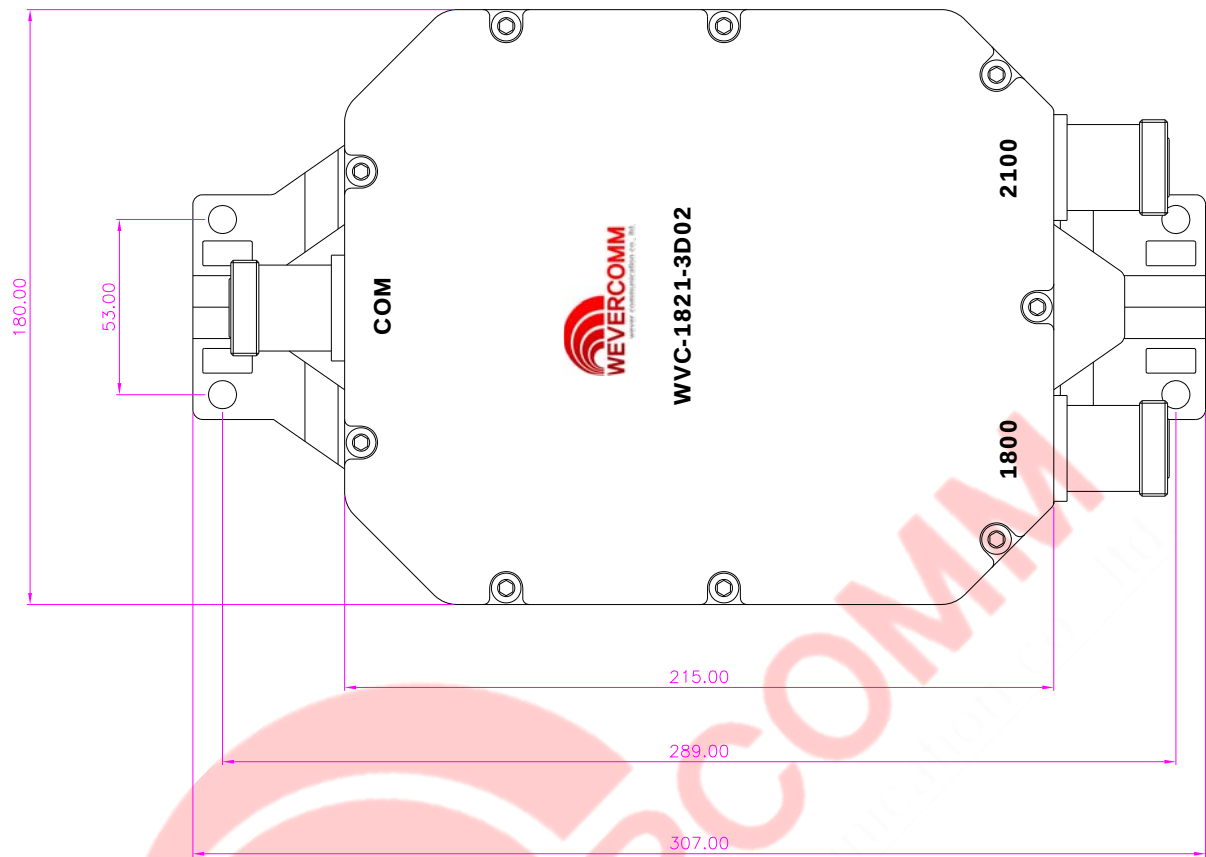
ITEM	SPECIFICATION
Dimension	217.0 x 125.0 x 47.5 Max (unit:mm) Included Bracket : 297.0 x 125.0 x 59.5 Max (unit:mm)
Mounting Points	Wall or Pole
RF Connector	7/16 DIN Female Connector
Connector Position	See Outline Drawing
Accessory	Clamp (6", 2ea)
Finish	Gray color epoxy coating

◆ BLOCK DIAGRAM

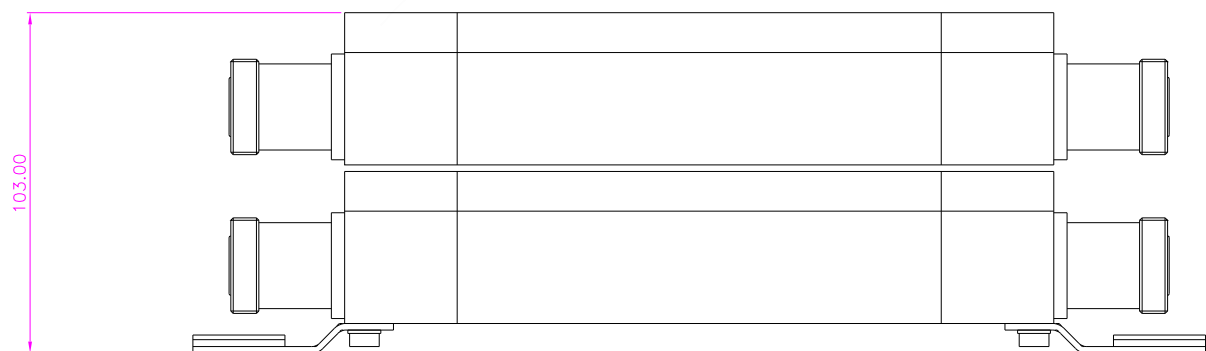


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◆ OUTLINE DRWAING



SINGLE



DOUBLE