

DUAL BAND COMBINER

PART NO. : WV-DBC-0918-3D01

◆ APPLICATION

- > Integrates Wireless Bands(890MHz~960MHz, 1710MHz~1880MHz)
- > Designs for Co-siting systems
- > Indoor/Outdoor Application

◆ FEATURE

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

◆ ELECTRICAL SPECIFICATION

ITEM	SPECIFICATION	
	900	1800
Frequency Range	890MHz ~ 960MHz	1710MHz ~ 1880MHz
Bandwidth	70MHz	170MHz
Insertion Loss	0.15dB Typ. 0.2dB Max	
Return Loss	20.0dB Min	
Pass Band Ripple	0.6dB Max	
Isolation(Port to Port)	70.0dB Min	70.0dB Min
PIMD	900 Port, 2Tx@43 dBm (dBc), -160	1800Port, 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 1800 : DC Pass	
DC Pass Current	3A	
In/Out Impedance	50 Ohms Nominal	

◆ ENVIRONMENTAL SPECIFICATIONS

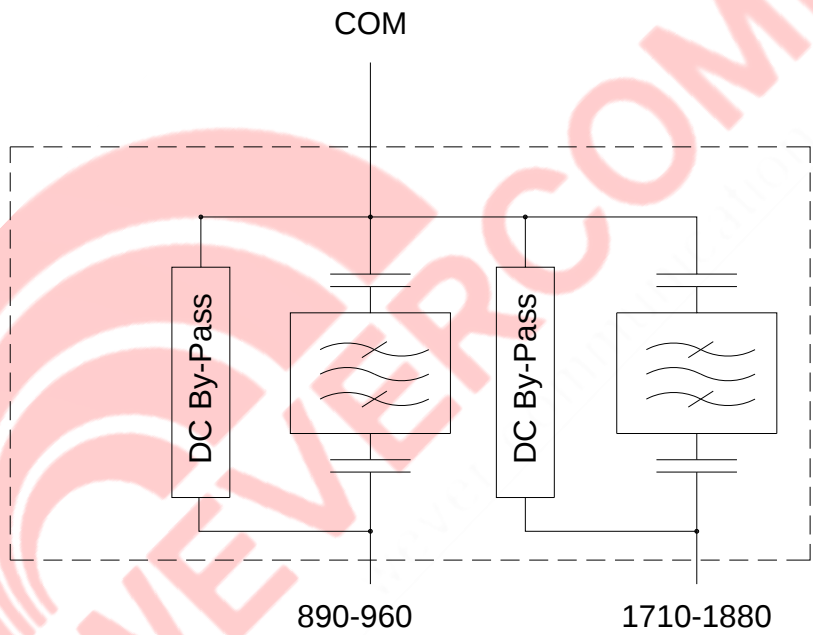
ITEM	SPECIFICATION
Operating Temperature	-40°C to +65°C
Environmental class	IP67
MTBF	10 Million Hours
Safety	EN60 950
Lightning Protection	20kA, 8/20 us
Environmental	ETS300 019

DUAL BAND COMBINER

MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATION
Dimension	165.0 x 105.0 x 47.5 Max (unit:mm) Included Bracket : 245.0 x 105.0 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



DUAL BAND COMBINER

◆ OUTLINE DRWAING

