

DUAL BAND COMBINER

PART NO. : WV-DBC-1821-3D04

◆ APPLICATION

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

◆ FEATURE

- > High Reliability
- > **RoHS Compliant**
- > All Port DC-Bypass

◆ ELECTRICAL SPECIFICATION

ITEM	SPECIFICATION	
	DCS1800	UMTS2100
Frequency Range	1710MHz ~ 1880MHz	1920MHz ~ 2170MHz
Bandwidth	170MHz	250MHz
Insertion Loss	0.3dB Typical, 0.5dB Max @ 1710MHz ~ 1880MHz 0.3dB Typical, 0.5dB Max. @ 1920MHz ~ 2170MHz	
Return Loss	20.0dB Min	
PIMD	150dBc Min @ 2x43dBm Input	
Isolation	50dB Min	
DC Bypass	DCS1800 : DC Bypass UMTS2100 : DC Bypass	
Maximum Input Power	200W (CW) Max	
In/Out Impedance	50 Ohms Nominal	

◆ ENVIRONMENTAL SPECIFICATIONS

ITEM	SPECIFICATION
Operating Temperature	-40°C to +70°C
Environmental class	IP68

◆ MODEL NUMBER

ITEM	Model Number
Original Diplexer	WV-DBC-1821-3D04
Single Diplexer with Bracket(Wall or Pole)	WV-DBC-1821-3D04-S
Dual Diplexer with Bracket(Wall or Pole)	WV-DBC-1821-3D04-D

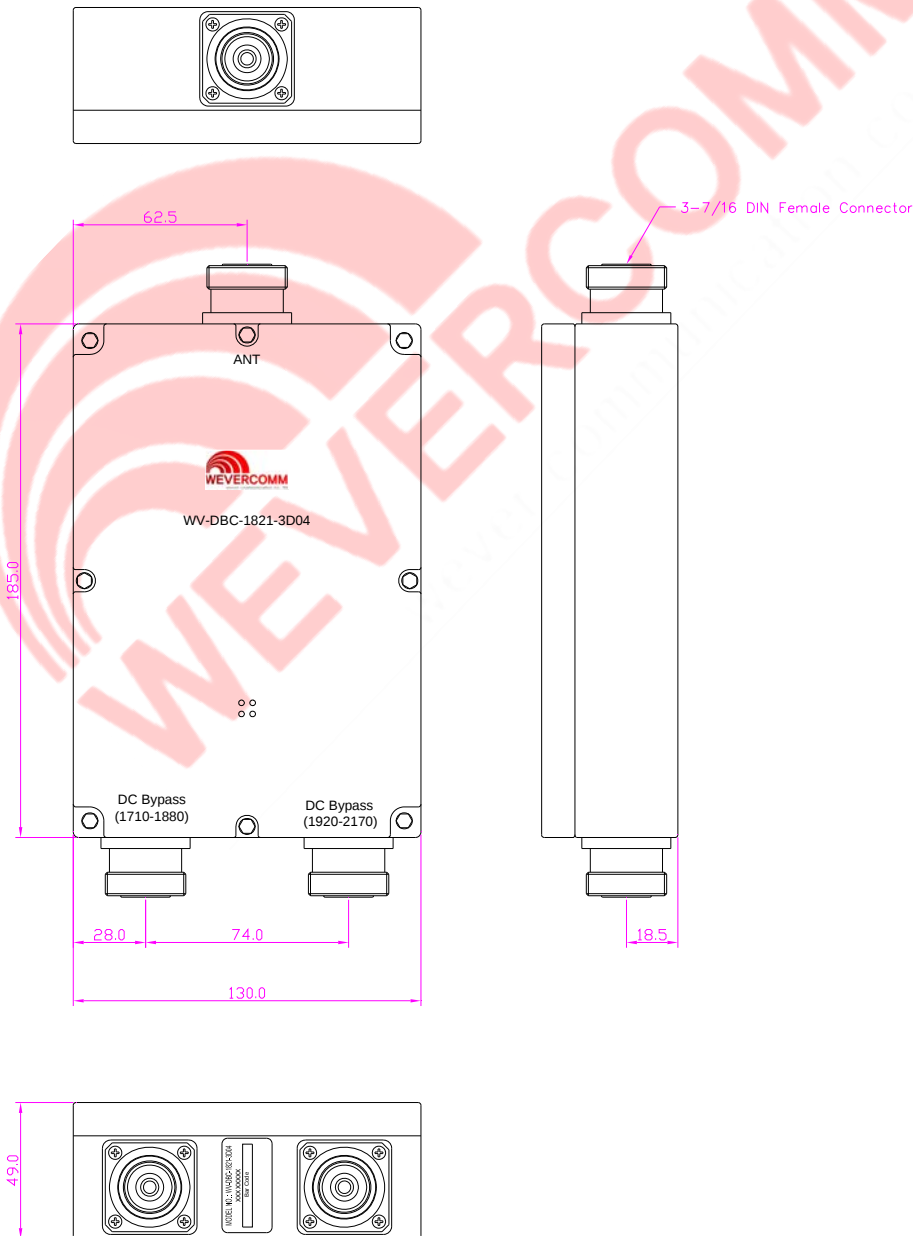
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MECHANICAL SPECIFICATIONS

ITEM		SPECIFICATION
Dimension	Original Diplexer	185.0 x 130.0 x 49.0 (unit : mm)
	Included Bracket	Single : 277.0 x 130.0 x 59.0 (unit : mm) Dual : 277.0 x 130.0 x 113.5 (unit : mm)
Mounting Points		Wall or Pole
RF Connector		7/16 DIN Female Connector
Connector Position		See Outline Drawing
Finish		Gray color Spray coating

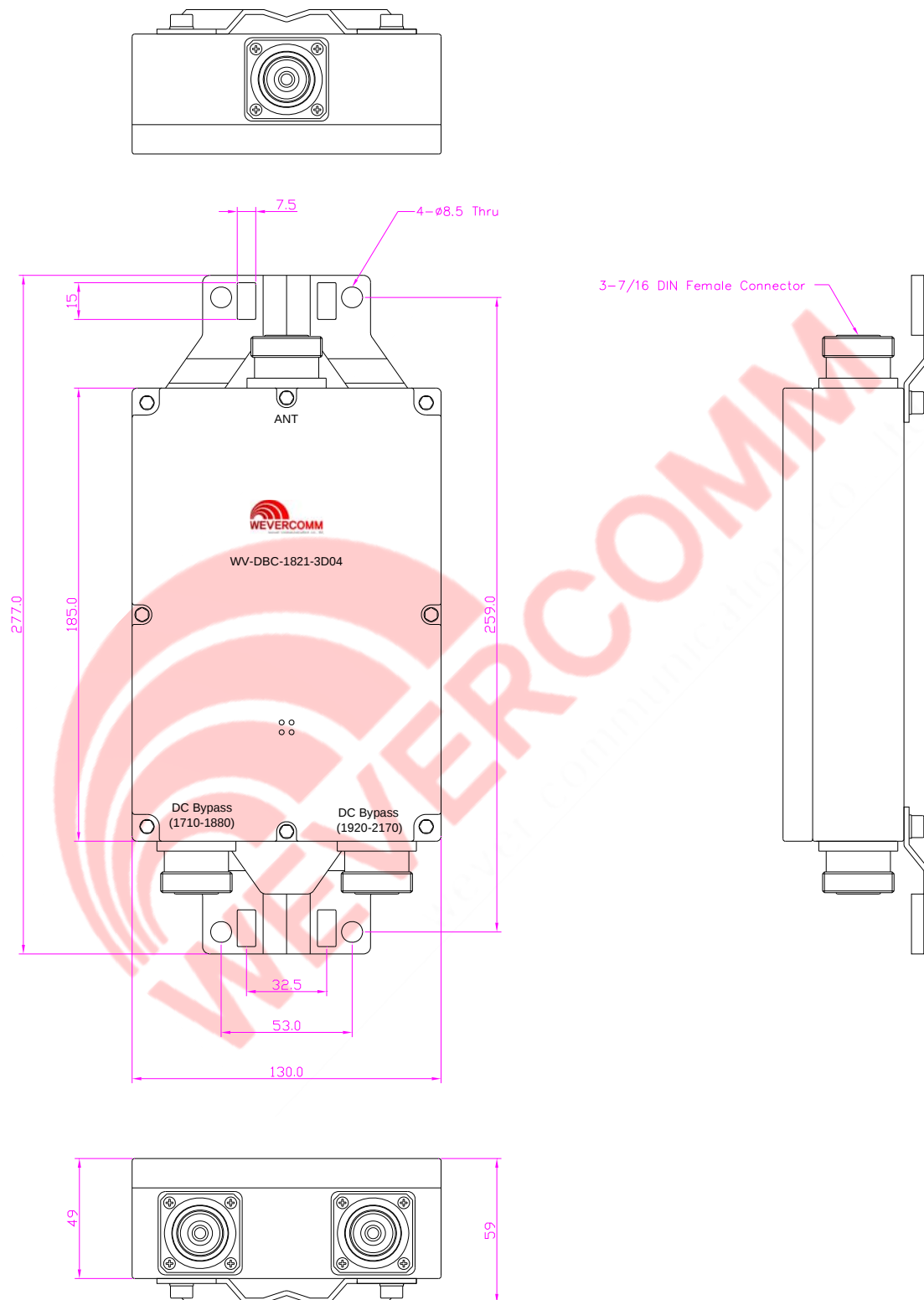
OUTLINE DRAWING

A. Original Diplexer



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B. Single Diplexer with bracket



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C. Dual Diplexer with bracket

