

TRIPLE BAND COMBINER

PART NO. : WV-TBC-091821-4D08

◆ APPLICATION

- > Integrates Wireless Bands(890MHz~960MHz,1710MHz~1880MHz, 1920MHz~2170MHz)
- > Designs for Co-siting systems
- > Indoor/Outdoor Application

◆ FEATURE

- > High Reliability
- > **RoHS Compliant**
- > All Port DC-Bypass or UMTS only DC-Bypass

◆ ELECTRICAL SPECIFICATION

ITEM	SPECIFICATION		
	GSM900	DCS1800	UMTS2100
Frequency Range	890MHz ~ 960MHz	1710MHz ~ 1880MHz	1920MHz ~ 2170MHz
Bandwidth	70MHz	170MHz	250MHz
Insertion Loss	0.3dB Typical, 0.5dB Max @ 890MHz ~ 960MHz 0.3dB Typical, 0.5dB Max @ 1710MHz ~ 1880MHz 0.3dB Typical, 0.5dB Max. @ 1920MHz ~ 2170MHz		
Return Loss	20.0dB Min		
PIMD	155dBc Min @ 2x43dBm Input		
Isolation	50dB Min		
DC Bypass	GSM900 : DC Bypass DCS1800 : DC Bypass UMTS2100 : DC Bypass		GSM900 : NO DCS1800 : NO UMTS2100 : DC Bypass
Maximum Input Power	150W (CW) Max		
In/Out Impedance	50 Ohms Nominal		

◆ ENVIRONMENTAL SPECIFICATIONS

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

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◆ MECHANICAL SPECIFICATIONS

ITEM		SPECIFICATION
Dimension	Original Triplexer	200.0 x 155.0 x 49.0 (unit : mm)
	Included Bracket	Single : 292.0 x 155.0 x 59.0 (unit : mm) Dual : 292.0 x 155.0 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

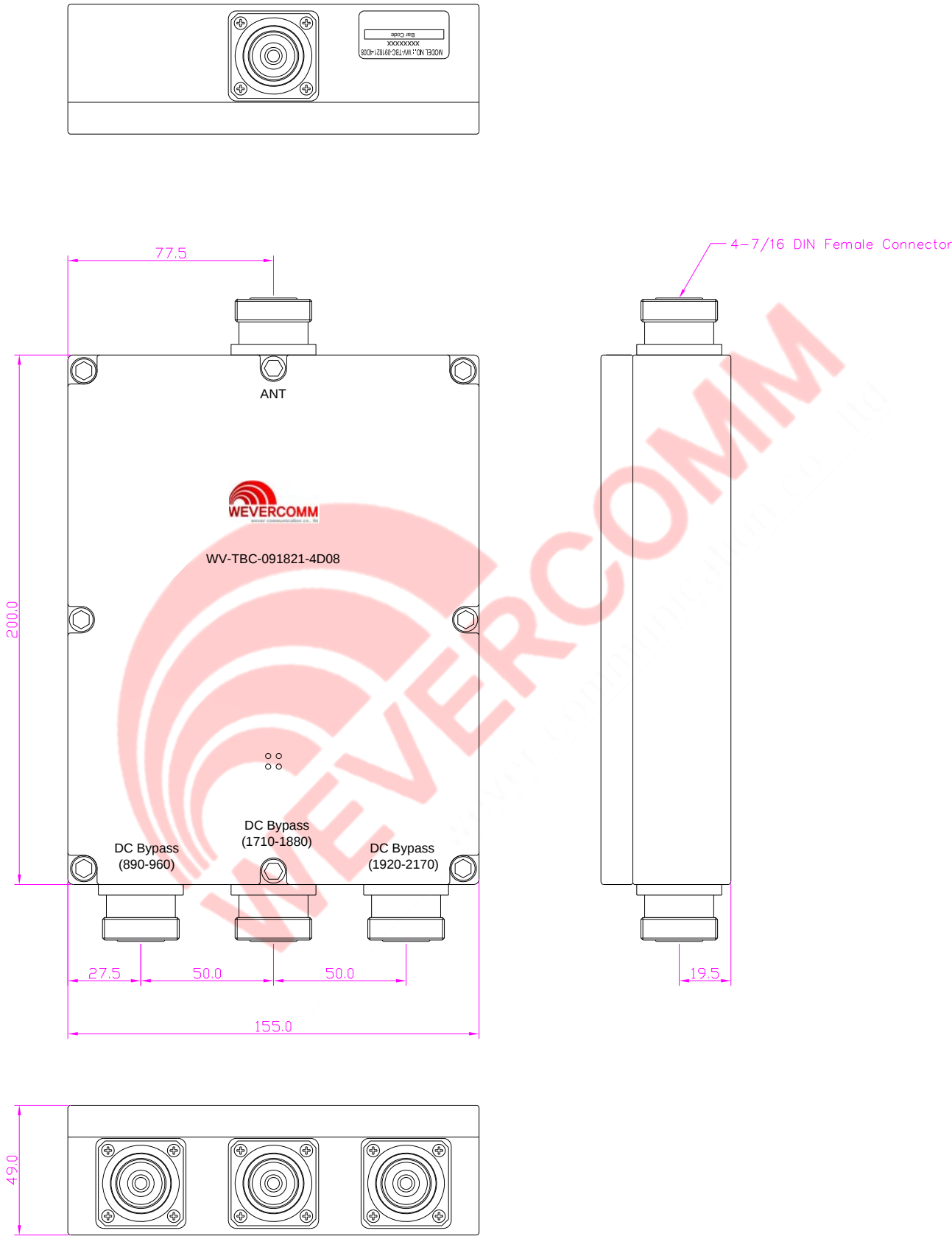
◆ MODEL NUMBER

ITEM	Model Number
Original Diplexer	WV-TBC-091821-4D08
Single Diplexer with Bracket(Wall or Pole)	WV-TBC-091821-4D08-S
Dual Diplexer with Bracket(Wall or Pole)	WV-TBC-091821-4D08-D
Single Diplexer with Bracket(Wall or Pole) (Only UMTS DC Bypass)	WV-TBC-091821-4D08-SU
Dual Diplexer with Bracket(Wall or Pole) (Only UMTS DC Bypass)	WV-TBC-091821-4D08-DU

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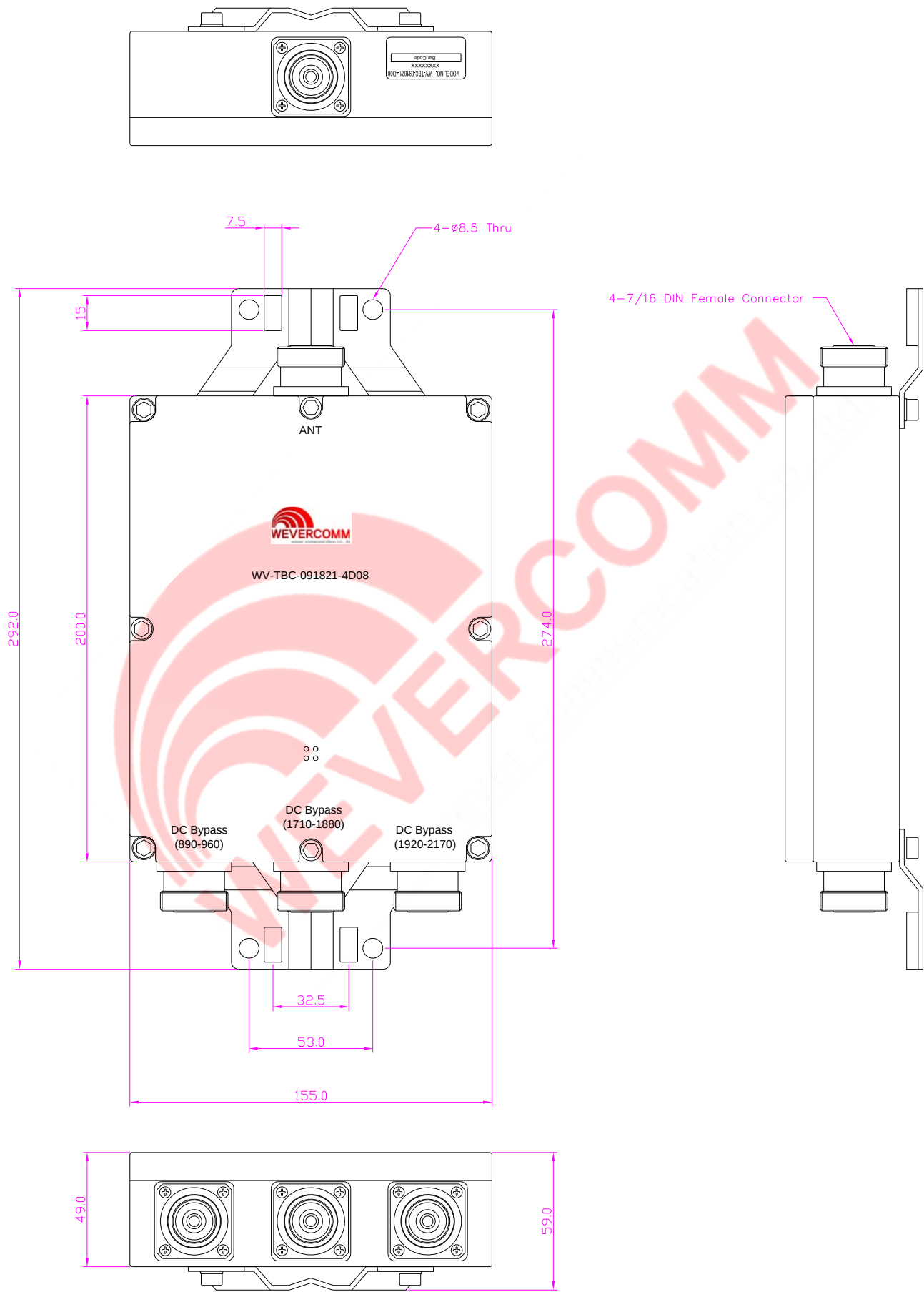
◆ OUTLINE DRAWING

A. Original Triplexer



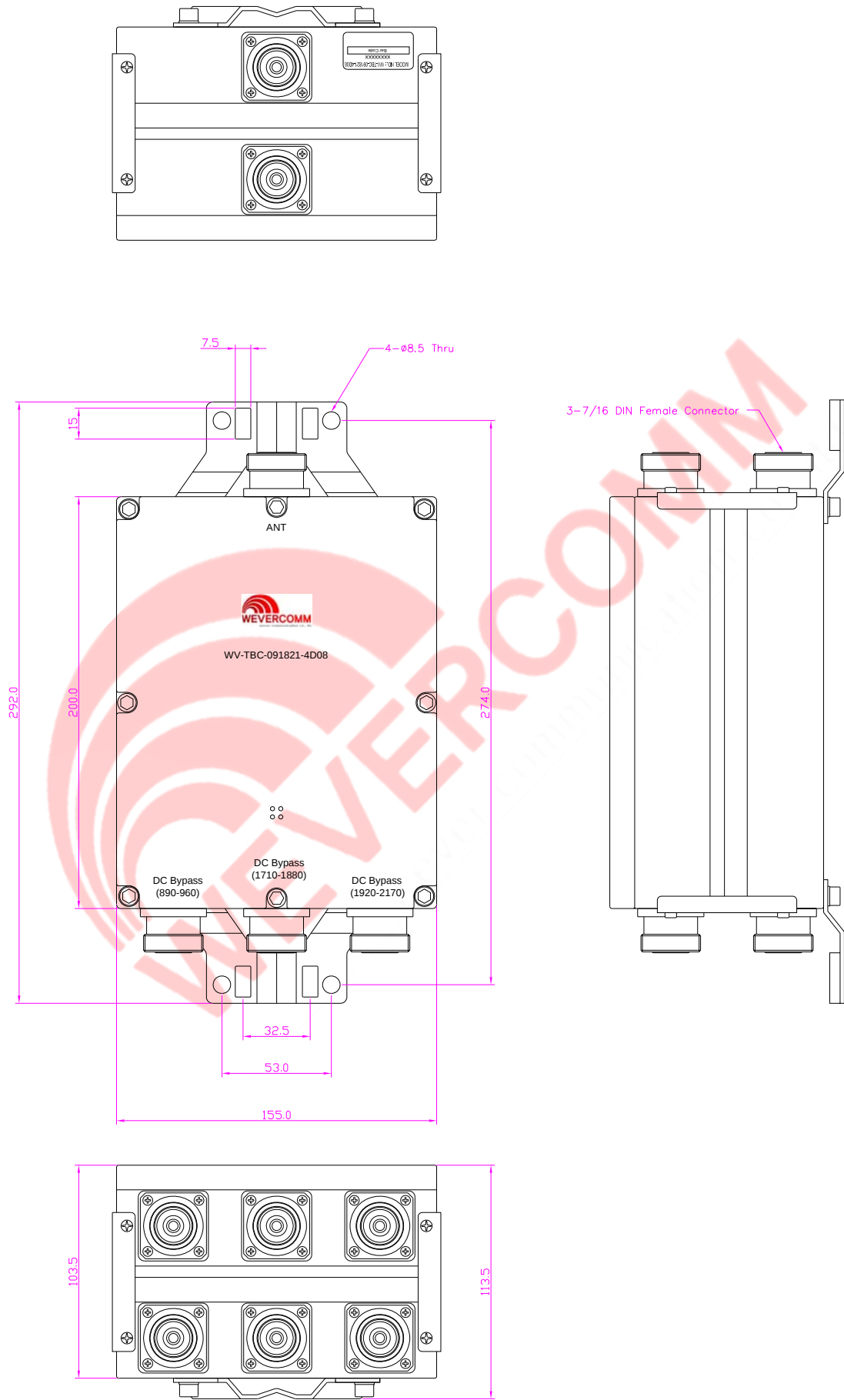
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B. Single Triplexer with bracket

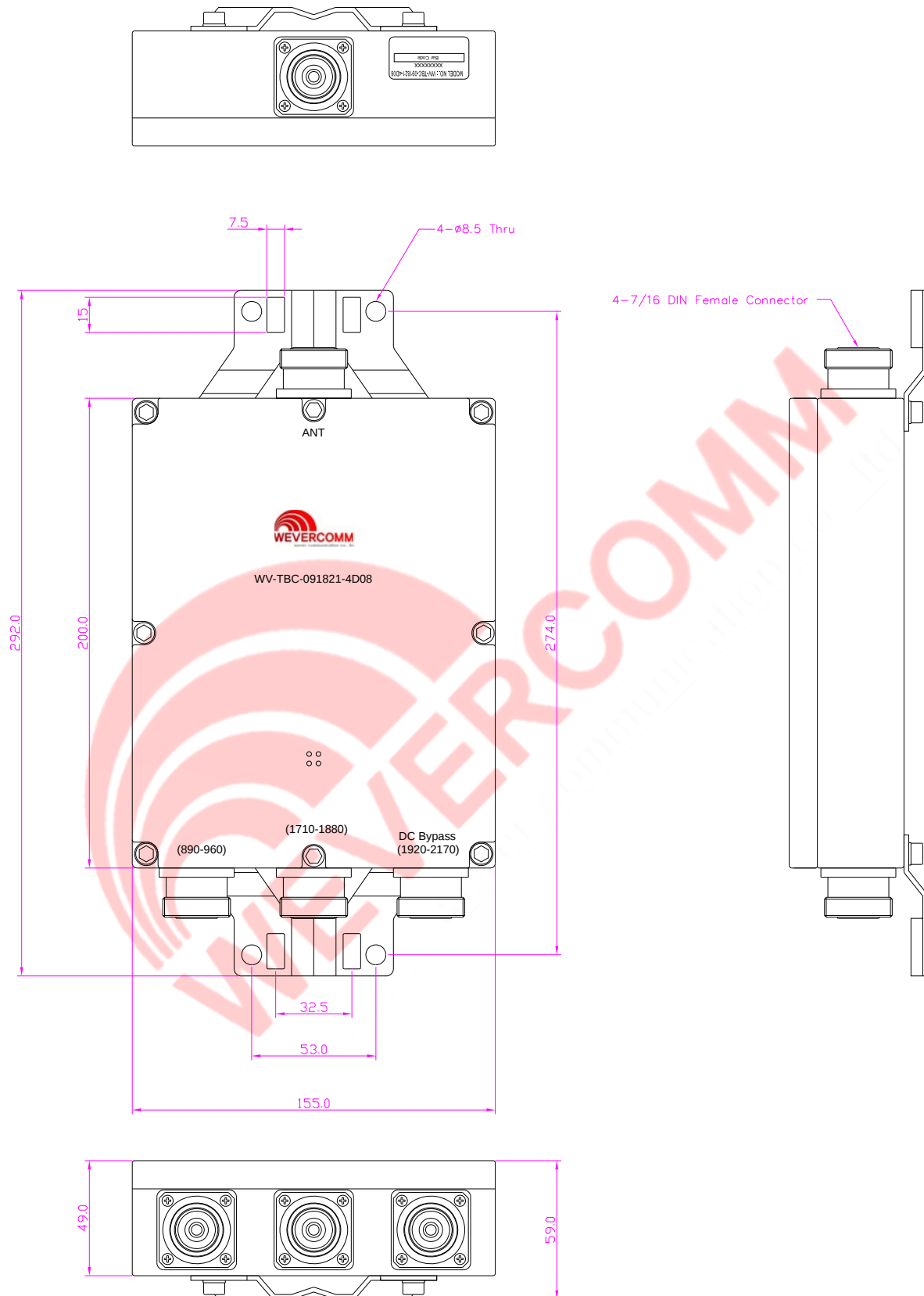


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C. Dual Triplexer with bracket

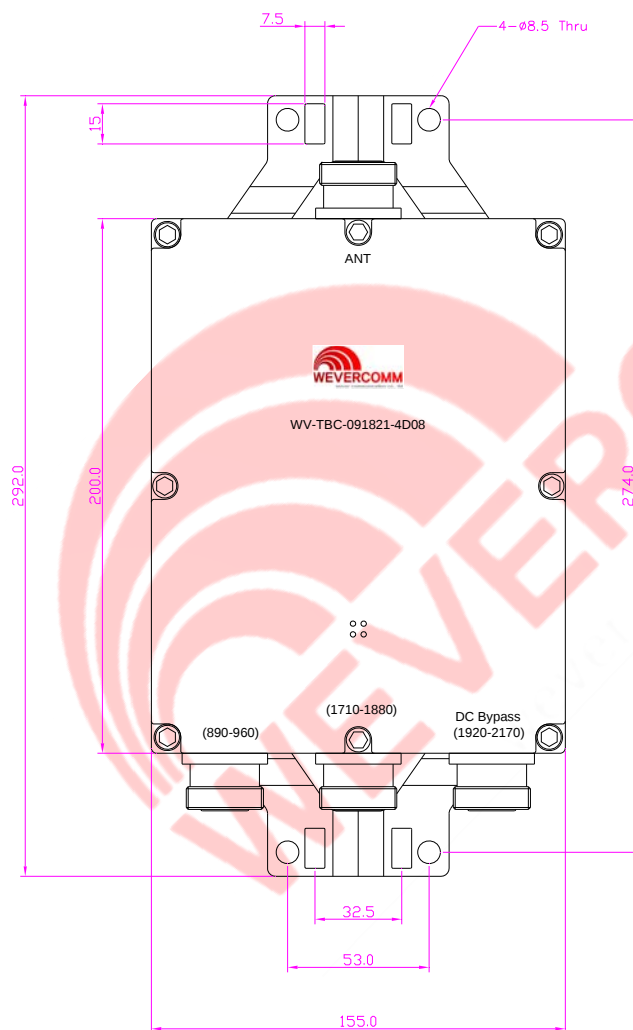
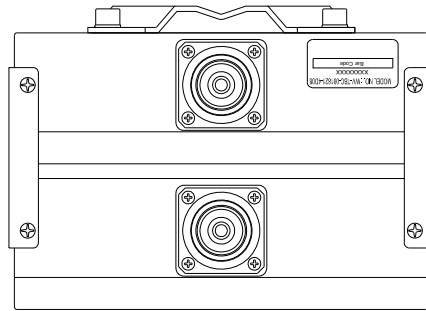


D. Single Triplexer with bracket(only UMTS DC-Bypass)



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E. Dual Triplexer with bracket(only UMTS DC-Bypass)



3-7/16 DIN Female Connector

