

Main Features

- Penta-band combiner
- High Rejection, Low VSWR and Loss
- High Power performance
- Low PIM
- Compact design for easy installation



Electrical Specifications

Items	Value
Frequency	CH1:806-879MHz
	CH2:885-960MHz
	CH3:1710-1880MHz
	CH4:1920-2170MHz
	CH5:2500-2700MHz
Return loss	≤-20dB
Insertion loss	CH1:≤1.5dB, 0.4dB typ
	CH2:≤1.5dB, 0.4dB typ
	CH3:≤0.5dB, 0.4dB typ
	CH4:≤0.5dB, 0.4dB typ
	CH5:≤0.4dB, 0.3dB typ
In-band Isolation CH1	≥ 80dB@885-960MHz ≥ 50dB@1710-1880MHz ≥ 50dB@1920-2170MHz ≥ 50dB@2500-2700MHz
In-band Isolation CH2	≥ 80dB@806-879MHz ≥ 50dB@1710-1880MHz ≥ 50dB@1920-2170MHz ≥ 50dB@2500-2700MHz

In-band Isolation CH3	$\geq 50\text{dB}@806\text{-}879\text{MHz}$ $\geq 50\text{dB}@885\text{-}960\text{MHz}$ $\geq 50\text{dB}@1920\text{-}2170\text{MHz}$ $\geq 50\text{dB}@2500\text{-}2700\text{MHz}$
In-band Isolation CH4	$\geq 50\text{dB}@806\text{-}879\text{MHz}$ $\geq 50\text{dB}@885\text{-}960\text{MHz}$ $\geq 50\text{dB}@1710\text{-}1880\text{MHz}$ $\geq 50\text{dB}@2500\text{-}2700\text{MHz}$
In-band Isolation CH5	$\geq 50\text{dB}@806\text{-}879\text{MHz}$ $\geq 50\text{dB}@885\text{-}960\text{MHz}$ $\geq 50\text{dB}@1710\text{-}1880\text{MHz}$ $\geq 50\text{dB}@1920\text{-}2170\text{MHz}$
Power handling	200W average per port
Intermodulation (3rd order)	$\leq -150\text{dBc}@ 2 \times 43\text{dBm}$
DC characteristic	DC stop for all ports
Impedance	50 Ω

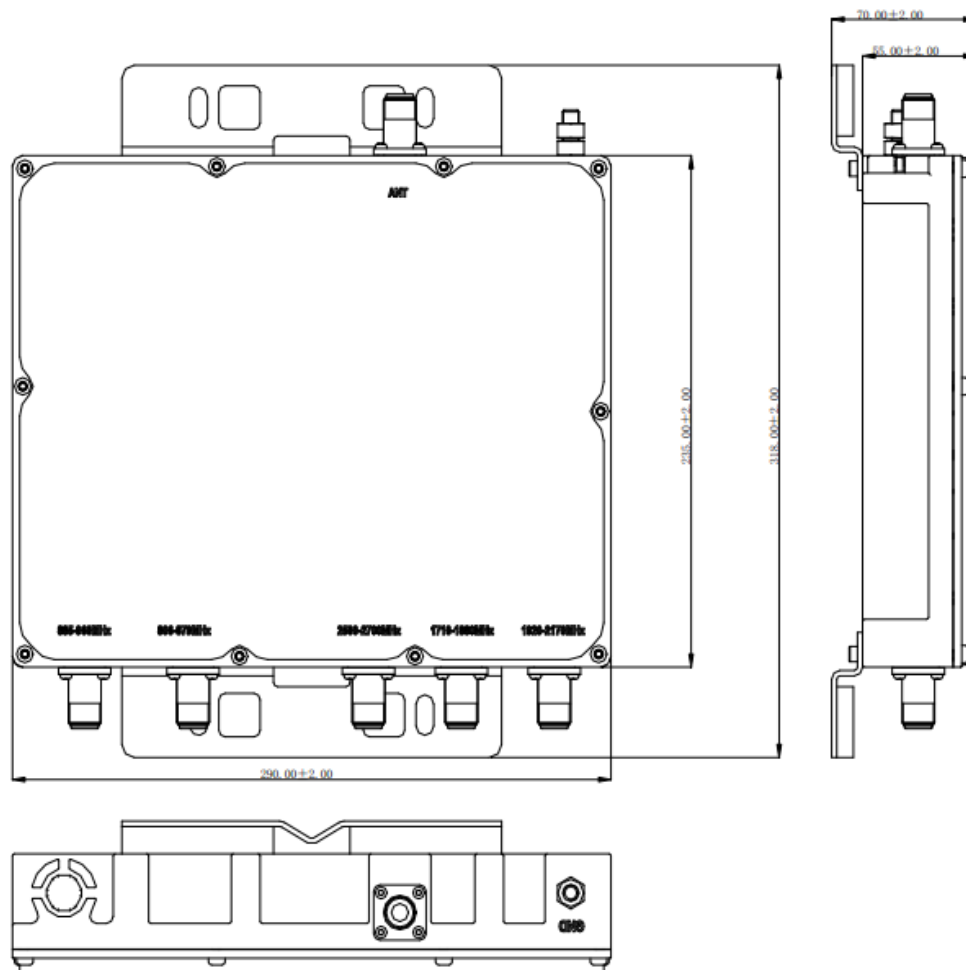
Environmental Specifications

Items	Value
Operating temperature range	-40°C to +55°C
Storage temperature range	-40°C to +85°C
Relative humidity	5%- 95%
Applications	IP65

Mechanical Specifications

Items	Value
Dimension	290×235×55 (mm, excluding brackets and connectors)
Weight	$\leq 5.8\text{kg}$
Connectors type	N female
Mounting type	Wall or Pole
Packing	1Pcs in box

Outline Drawing



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