

**Professional manufacturer of
passive microwave components**

DN: CN00162-May./18th/2021

Technical Specifications

1. Feature

- ▶ High Performance
- ▶ High Reliability
- ▶ RoHS Compliant

Cavity Duplexer

Part No: CDU00814M00894M70NWP

Date: May.18th.2021

Revision No: Preliminary

2. Electrical Specifications

	LOW	HIGH
Frequency range	814-849 MHz	859-894 MHz
Return loss	≥18 dB	≥18 dB
Insertion loss	≤1.1 dB	≤1.1 dB
In-band ripple	≤0.9 dB	≤0.9 dB
Rejection	≥70 dB@859-894 MHz	≥70 dB@814-849 MHz
Power Handling	100 W	
Impedance	50 Ohm	
Operating Temperature	-20 °C to +70 °C	

3. Environmental Specifications

Parameter	Specifications	Remark
Operating Temperature	-20 °C to +70 °C	
Application Environment	Outdoor use / IP66	

4. Mechanical Specifications

Parameter	Specifications	Remark
Dimensions	175x145x44mm (Not including the tuning screws and connectors)	
Connector Type	N-female	
Surface Finish	Gray, Akzo Nobel RA7035, Powder spraying	

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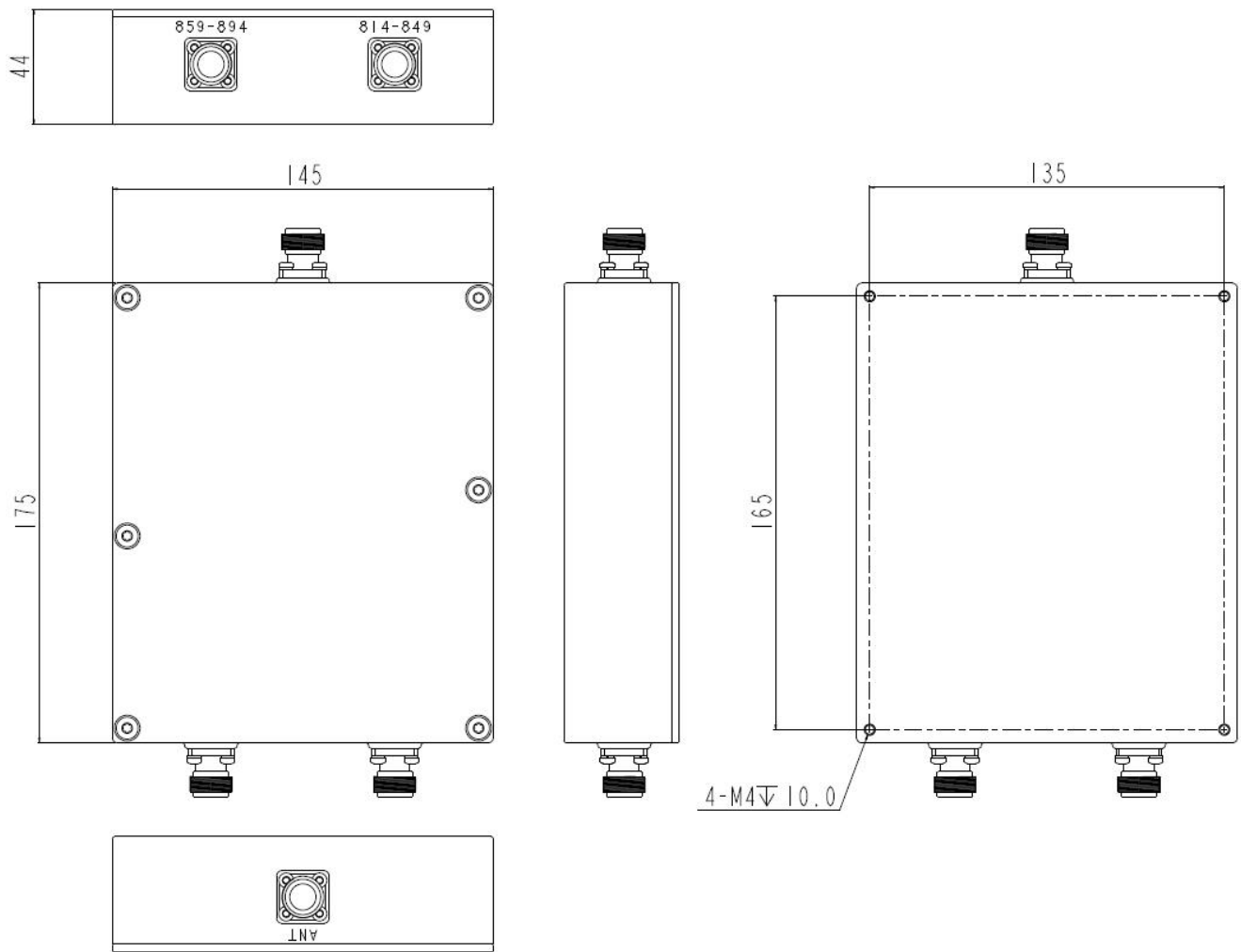
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5. Outline Drawing ($\pm 0.3\text{mm}$)



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6. Simulation Curve

