

*Professional manufacturer of
passive microwave components*

DN: CN00182-June./22th/2021

Technical Specifications

1. Feature

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

Cavity Duplexer

Part No: CDU00410M00427M80S

Date: June.22th.2021

Revision No: Preliminary

2. Electrical Specifications

Frequency range	410-417MHz	420-427MHz
Return loss (Normal Temp)	≥20dB	≥20dB
Return loss (Full Temp)	≥18dB	≥18dB
Insertion loss(Normal Temp)	≤1.7dB	≤1.7dB
Insertion loss(Full Temp)	≤1.9dB	≤1.9dB
Ripple (Normal Temp)	≤0.8dB	≤0.8dB
Ripple (Full Temp)	≤1.0dB	≤1.0dB
Rejection (Full Temp)	≥80dB@420-427 MHz	≥80dB@410-417 MHz
Power	200W	
Temperature Range	-40°C to +85°C	
Impedance	50 Ω	

3. Environmental Specifications

Parameter	Specifications	Remark
Operating Temperature	-40°C to +85°C	
Application Environment	Indoor Application	

4. Mechanical Specifications

Parameter	Specifications	Remark
Dimensions	210x210x69mm (Not including the tuning screws and connectors)	
Connector Type	SMA-female	
Surface Finish	Silver Plated	

成都康普信源科技有限公司

Chengdu Concept Microwave Technology CO.,Ltd

No.666 ,Jinfenghuang Road , CREC Industrial Park , Jinniu District , Chengdu , China

E-mail: sales@concept-mw.com

<http://www.concept-mw.com>

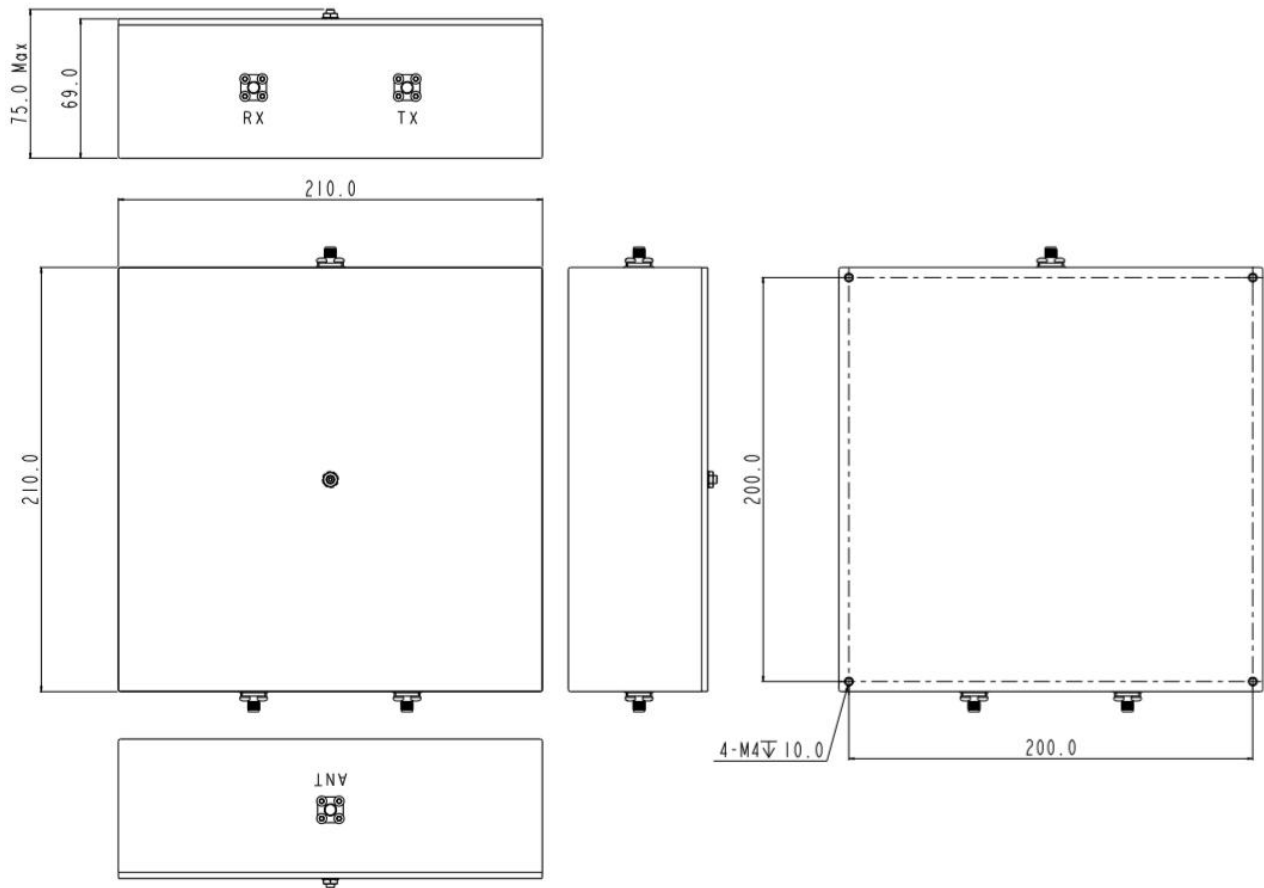
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5. Outline Drawing ($\pm 0.3\text{mm}$)



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6. Simulation Curve

