

*Professional manufacturer of  
passive microwave components*

DN: CN0142-July./12th/2021

Technical Specifications

## 1. Feature

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

**Cavity Combiner**

**Part No: CDU01427M3800M4310F**

**Date: July.12th.2021**

**Revision No: Preliminary**

## 2. Electrical Specifications

	LOW	HIGH
Frequency range	1427-2690MHz	3300-3800MHz
Return loss	≥20dB	≥20dB
Insertion loss	≤0.25dB	≤0.25dB
Isolation	≥60dB@1427-2690MHz // ≥30dB@3300-3800MHz	
Average power	100W	
Peak power	1000W	
PIM	≤-156dBc@2*43dBm	
Temperature range	-40°C to +70°C	

## 3. Environmental Specifications

Parameter	Specifications	Remark
Operating Temperature	-40°C to +70°C	
Application Environment	IP67	

## 4. Mechanical Specifications

Parameter	Specifications	Remark
Dimensions	122mm x 70mm x 35mm ( Not including the tuning screws and connectors )	
Connector Type	4.3-10/female	
Surface Finish	Gray, Akzo Nobel RA7035, Powder spraying	

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](mailto:sales@concept-mw.com)

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

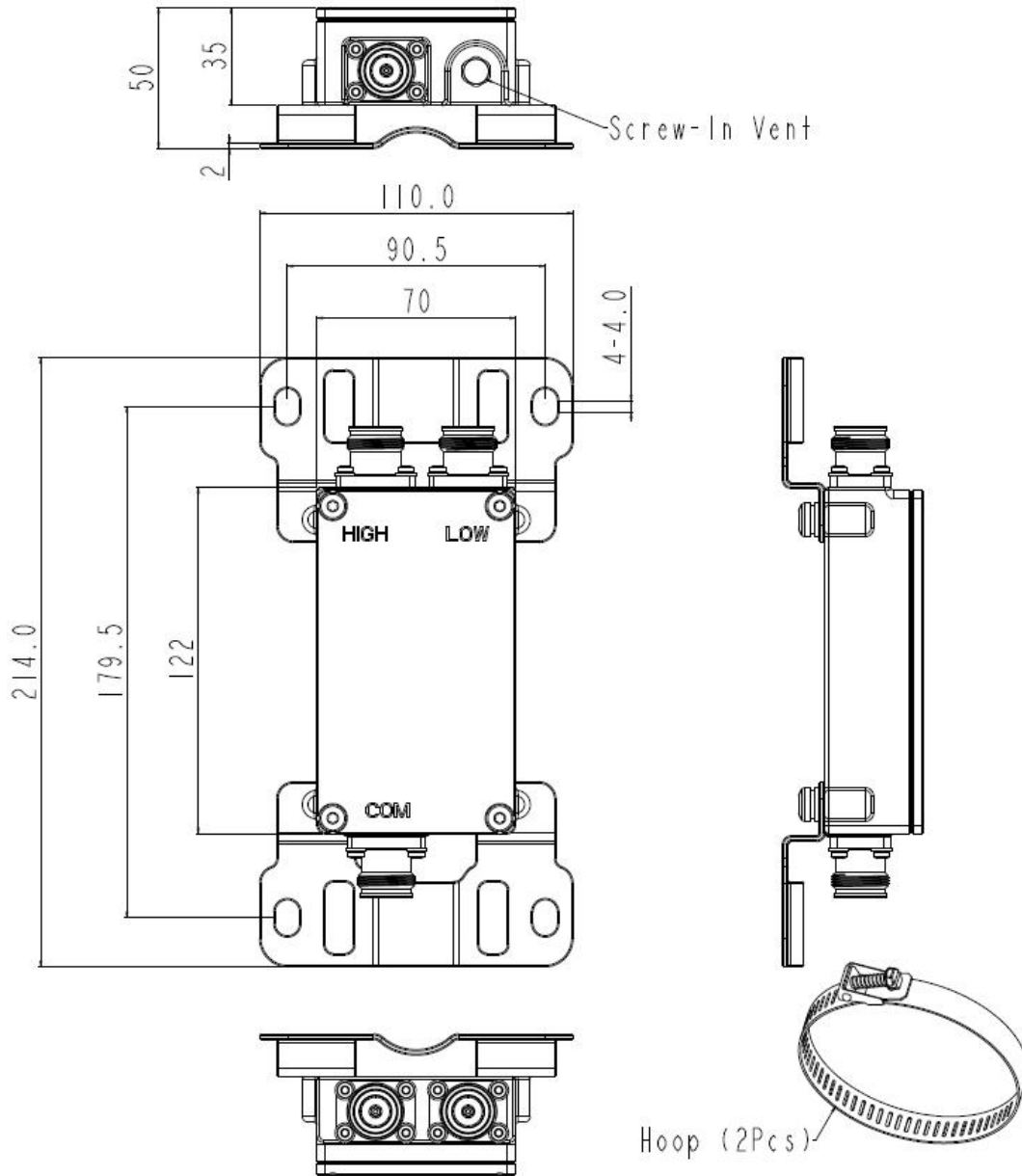
Page 1 of 3

*Professional manufacturer of  
passive microwave components*

DN: CN0142-July./12th/2021

Technical Specifications

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



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](mailto:sales@concept-mw.com)

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

Page 2 of 3

## 6. Simulation Curve

