

## 1. Feature

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

**4x4 Butler Matrix**

**Part No: CBM00500M06000A04**

**Date: July.10th.2023**

**Revision No: Preliminary**

## 2. Electrical Specifications

Parameter	Specification	Remark
Passband	500-6000MHz	
Insertion Loss	≤10dB	
VSWR	≤1.5	
Output Phase Accuracy	±10° at 3.25GHz	
Isolation	≥16dB	
Average Power	10W	
Impedance	50 OHMS	

## 3. Environmental Specifications

Parameter	Specifications	Remark
Operating Environment	-20°C to +70°C	
Storage Temperature	-55°C to +85°C	

## 4. Mechanical Specifications

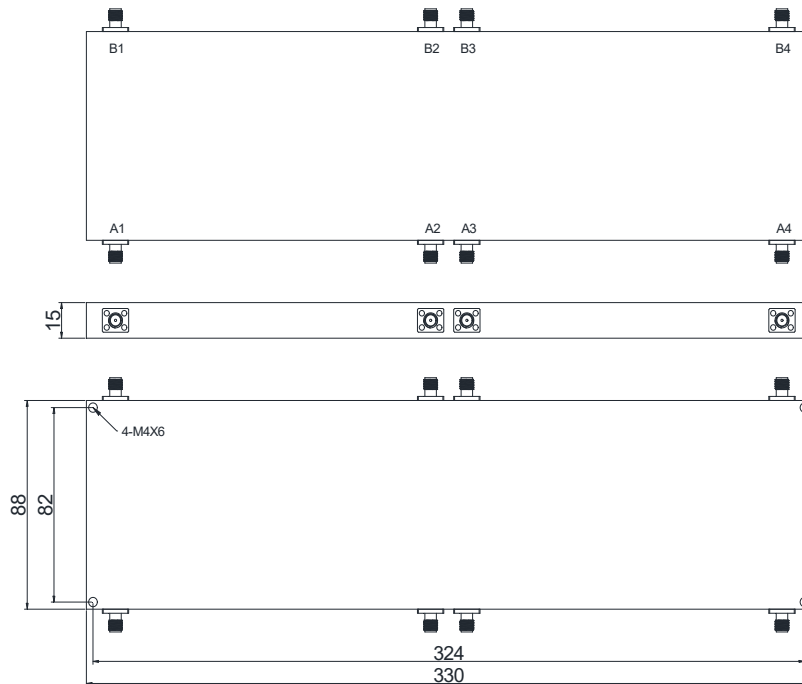
Parameter	Specifications	Remark
Dimensions	330.0x88.0x15.0mm (Exclusive the connectors and tuning screws)	
Connector Type	SMA-female	
Surface Finish	本导喷砂	

*Professional manufacturer of  
passive microwave components*

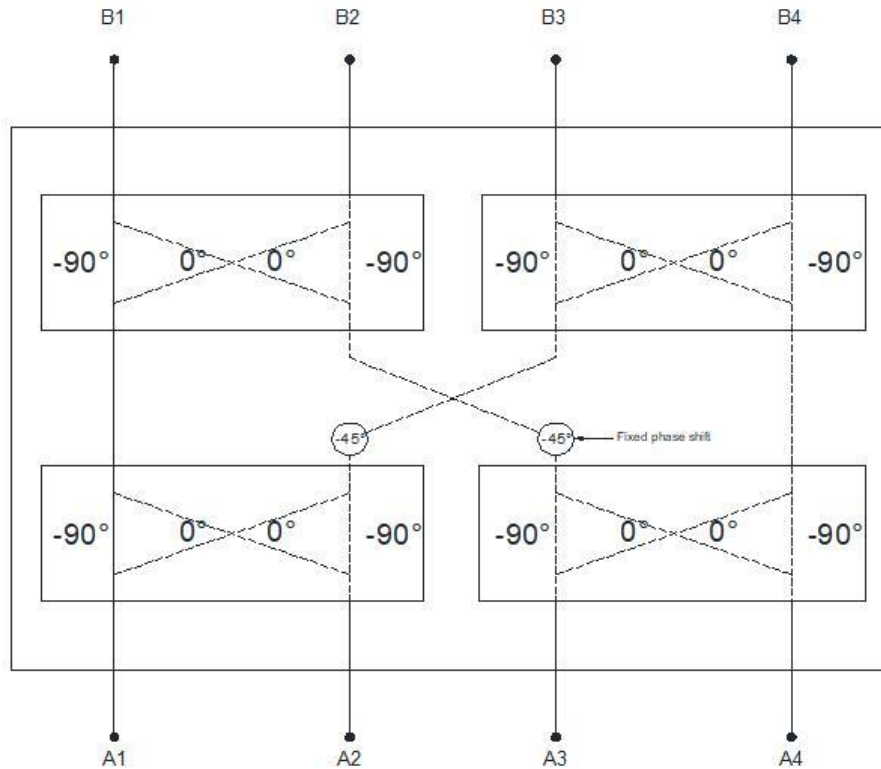
DN: CN0205-July./10th/2023

Technical Specifications

**5.Outline Drawing (±0.5mm )**



**6. Functional Block Diagram**



Input	B1	B2	B3	B4
A1	-180	-90	-135	-45
A2	-90	0	-225	-135
A3	-135	-225	0	-90
A4	-45	-135	-90	-180

1. Relative Phase values indicated are measured at the frequency listed in the "Output Phase Accuracy" column in the table, relative to a 0° path.
2. Phase values will vary with frequency and are dependent on the RF path.