

*Professional manufacturer of
passive microwave components*

DN: CN0256-Aug./20th/2023

Technical Specifications

1. Feature

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

Triplexer

Part No: CBC00000M12000A03

Date: Aug.20th.2023

Revision No: Preliminary

2. Electrical Specifications

Passband Frequency	Band 1	DC	-	4	GHz
	Band 2	4	-	8	GHz
	Band 3	8	-	12	GHz
Insertion Loss	Band 1	$\leq 2.0@DC-3.6GHz$			dB
	Band 2	$\leq 2.0@4.4-7.5GHz$			dB
	Band 3	$\leq 2.0@8.5-12GHz$			dB
VSWR	Band 1	$\leq 2.0@DC-3.6GHz$			-
	Band 2	$\leq 2.0@4.4-7.5GHz$			-
	Band 3	$\leq 2.0@8.5-12GHz$			-
Attenuation at crossover frequency	Band 1	$10\pm 1@4GHz$			dB
	Band 2	$10\pm 1@4GHz,8GHz$			dB
	Band 3	$10\pm 1@8GHz$			dB
Rejection	Band 1	$\geq 40@5-12GHz$			dB
	Band 2	$\geq 40@DC-3GHz,9-12GH$			dB
	Band 3	$\geq 40@DC-7GHz$			dB
Impedance		-	50	-	Ω

3. Environmental Specifications

Parameter	Specifications	Remark
Operating Temperature	-20°C to +65°C	
Storage Temperature	-45°C to +85°C	

4. Mechanical Specifications

Parameter	Specifications	Remark
Dimensions	127.0x71.12x10.0mm	
Connector Type	2.92mm-female	
Surface Finish	Black Painting	

Chengdu Concept Microwave Technology CO.,Ltd

No.86 ,Rongtai Road, Haixia Industrial Park , Wenjiang District , Chengdu City, China

E-mail: sales@concept-mw.com

<http://www.concepts-rf.com>

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5. Outline Drawing ($\pm 0.5\text{mm}$)

