

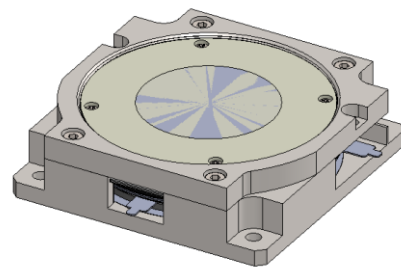


DP3188C

ENG PART:DP-100x100CD-106.5T108.5-CCW

106.5MHz to 108.5MHz Single-Junction Drop-in Circulator

REV.	DESCRIPTION	REVISOR	DATE	APPROVED
A	Creating datasheet	ZZ.Zhu	2024/12/24	Nick

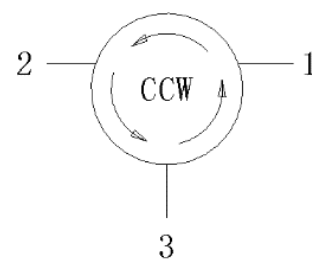


Applications:

- Wireless Infrastructure
- Power Amplifier

Features:

- Operating frequency range:106.5MHz to108.5MHz
- Operating temperature range: 0°C to +70°C
- Storage temperature range: -40°C to +100°C
- BeOfree&RoHS compliant



Block Diagram



Electrical Specifications:

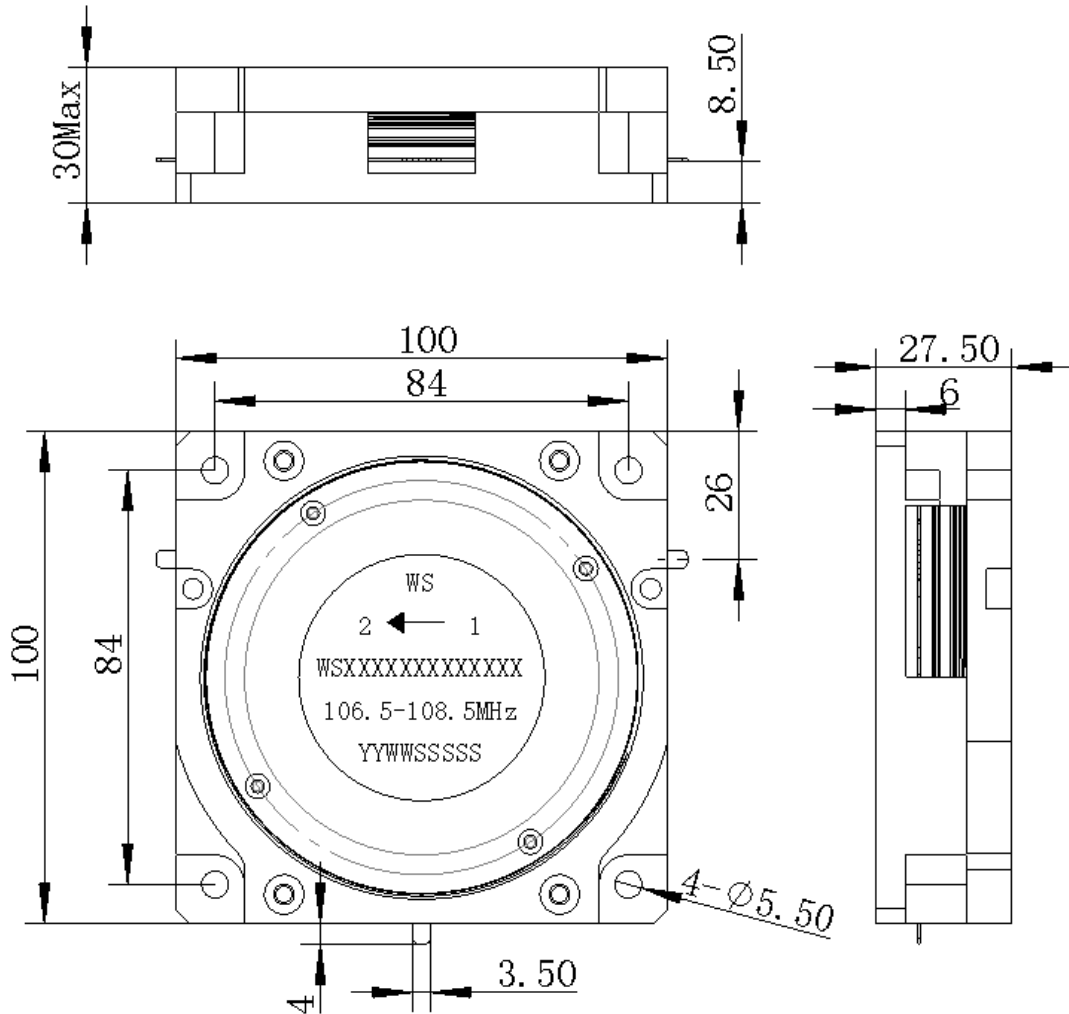
ITEM	SPECIFICATION	
Frequency	106.5~108.5	MHz
Direction	CCW	
Impedance	Typ: 50	Ω
Insertion Loss (Max.)	0.35	dB
Isolation (Min.)	25.0 @107.5MHz 22.0@106.5~108.5MHz	dB
Return Loss (Min.)	23	dB
Power FWD/REV/PEAK	1300/1300W@360° 全相位全反射/-	W
IMD (Max.)	/	dBc
Phase Consistency	± 3.0 (For all batches)	°
Impedance ,real	/	Ω
Impedance ,imaginary	/	j Ω

Notes:

1. Exposure to maximum rating conditions for extended periods may reduce device reliability. There is no damage to device with only one parameter set at the limit and all other parameters set at or below their nominal value. Exceeding any of the limits listed here may result in permanent damage to the device.
2. Performance is guaranteed under the conditions listed in this table and over the operating temperature range.



Mechanical Specifications:



Unit: Millimeters

Notes:

1. The housing is nickel-plated and circuit is silver-plated.
2. Tolerance ± 0.2 mm unless otherwise specified.
3. Co-planarity Specification: 0.1mm maximum.
4. Part Number, Lot Code, and Port Designation are printed on the top side of device.
5. On the label "YYWW" represents the date code and "SSSS" represents the serial number