

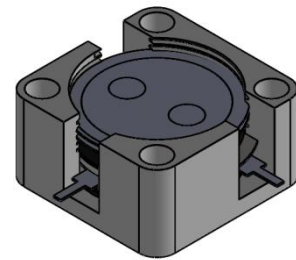


DP3296C

ENG PART:DP-12.7X12.7CD-1350T1500-CCW

1350MHz to 1500MHz Single-Junction Drop-inCirculator

REV.	DESCRIPTION	REVISOR	DATE	APPROVED
A	Creating datasheet	ZZ.Zhu	2024/7/5	Nick
B	Updated the label	ZC.Wu	2024/7/22	Nick

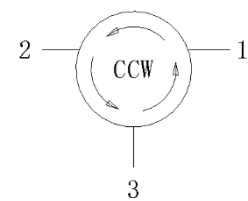


Applications:

- Wireless Infrastructure
- Power Amplifier

Features:

- Operating frequency range: 1350MHz to 1500MHz
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +125°C
- Small surface-mount package delivered on T&R
- BeOfree&RoHS compliant



Block Diagram



Electrical Specifications:

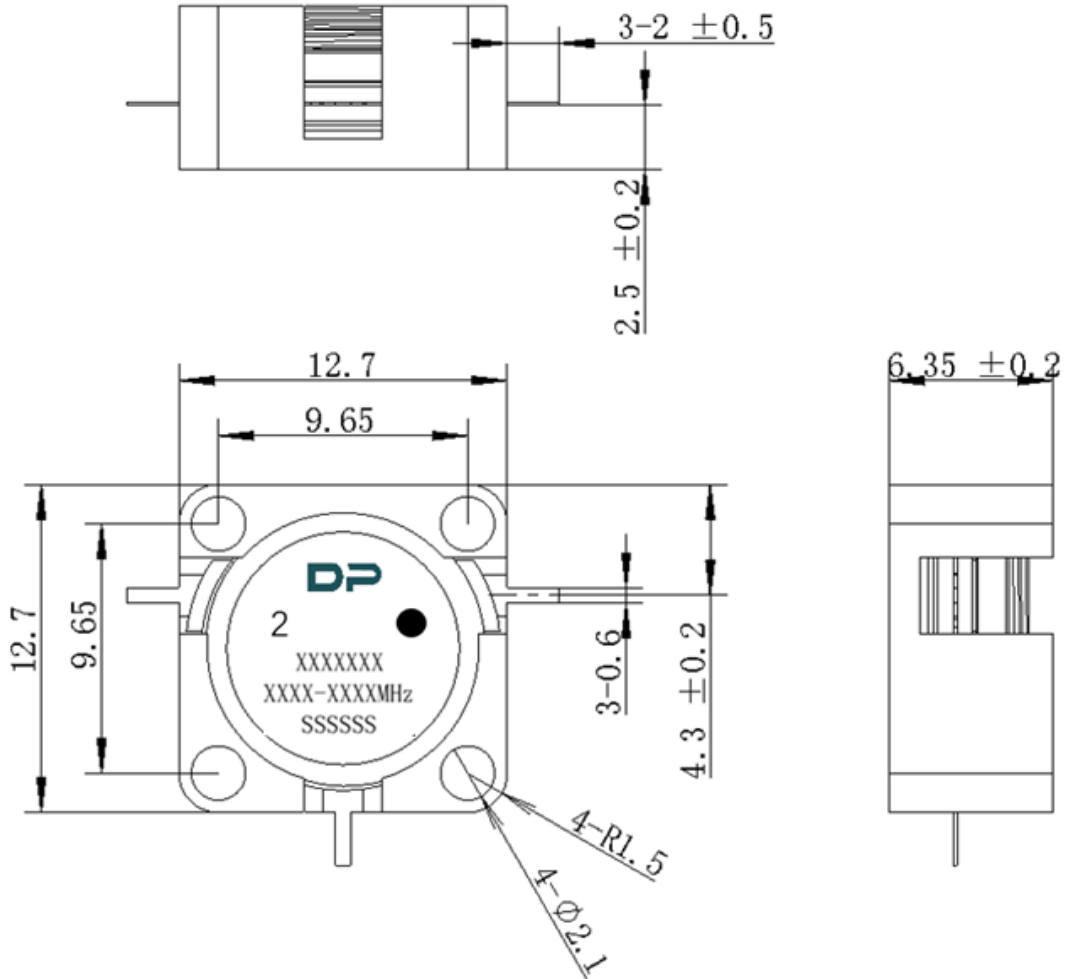
ITEM	SPECIFICATION	
Frequency	1350~1500	MHz
Direction	CCW	
Impedance	Typ: 50	Ω
Insertion Loss (Max.)	0.50	dB
Isolation (Min.)	22@25±5°C	dB
	20@0~+85°C	
	17@-40~0°C	
Return Loss (Min.)	22@25±5°C	dB
	20@0~+85°C	
	17@-40~0°C	
3rd IMD (Max.)	-	dBc
2nd harmonic suppression	-	dBc
3rd harmonic suppression	-	dBc
Power FWD/REV/PEAK	80/-/500	W

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.
3. Performance will not degrade by > 10% (Insertion loss > 20%) with an operating temperature of up to 130 °C.



Mechanical Specifications:



Unit: Millimeters

Notes:

1. The housing is nickel plated and the circuit is silver-plated.
2. Tolerance ± 0.2 mm unless otherwise specified.
3. Co-planarity Specification: 0.1 mm maximum.
4. Part Number, Lot Code, and Port Designation are printed on the top side of device.
5. The XXXXXXX on the label represents the part number
6. The XXXX-XXXX on the label represents the operating frequency
7. The SSSSSS on the label represents the serial number
8. The black dot on the label represents the input port