

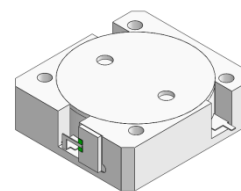


DP2983S

ENG PART: DP-35x38ID-350T370-CW

350MHz to 370MHz Single-Junction Drop-in Isolator

REV.	DESCRIPTION	REVISOR	DATE	APPROVED
A	SAME AS REV.1	ZZ.Zhu	2024/7/22	ZC.Wu

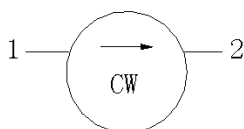


Applications:

- Wireless Infrastructure
- Power Amplifier

Features:

- Operating frequency range: 350MHz to 370MHz
- Operating temperature range: -20°C to +65°C
- Storage temperature range: -40°C to +85°C
- BeO free & RoHS compliant



Block Diagram



Electrical Specifications:

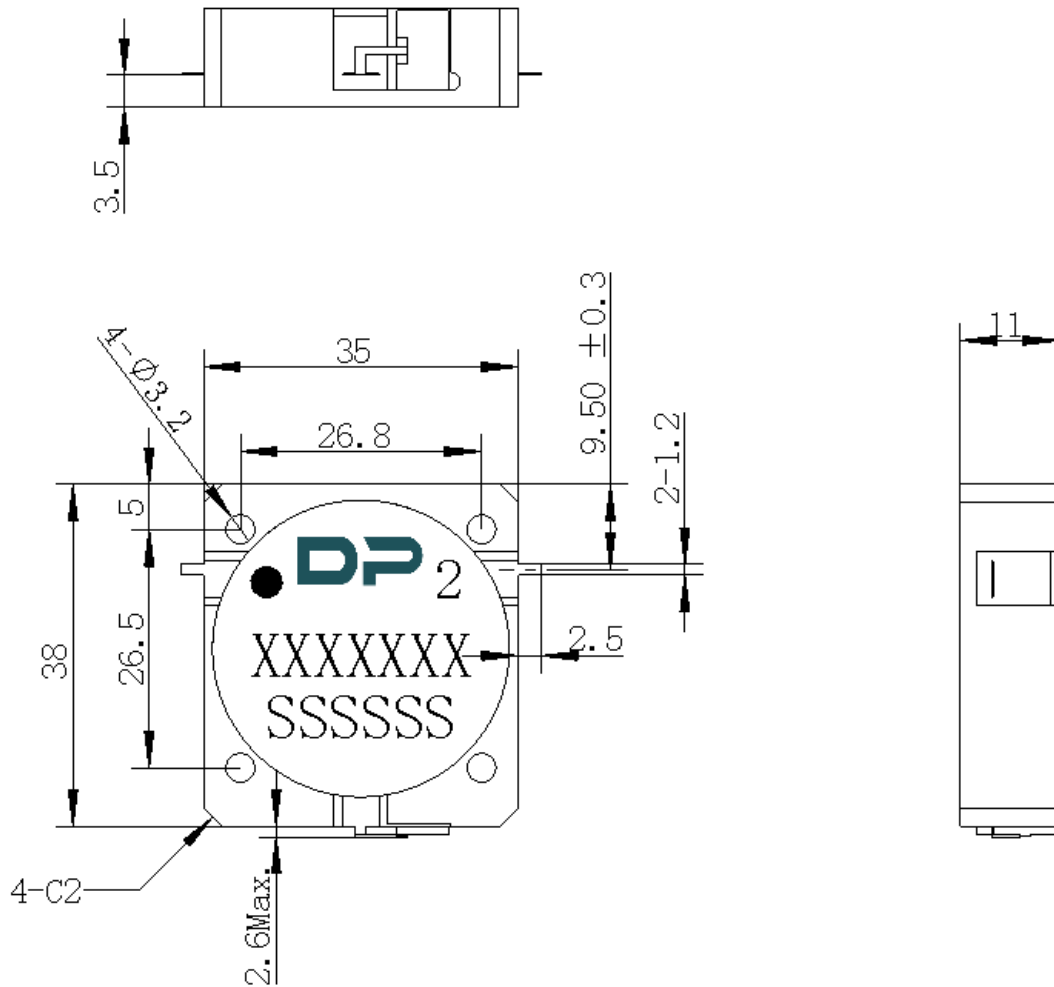
ITEM	SPECIFICATION	
Frequency	350~370	MHz
Direction	CW	
Impedance	Typ: 50	Ω
Insertion Loss (Max.)	0.35	dB
Isolation (Min.)	21	dB
Return Loss (Min.)	21	dB
Power FWD/REV/PEAK	300/30/-	W
Termination/Attenuator	150/-	W/dB
2nd harmonic	-	dBc
3rd harmonic	-	dBc

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:



Notes:

1. The housing is nickle-plated and circuit are 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. Part Number format shall be XXXXXXX
6. Serial Number format shall be SSSSSS

Unit: Millimeters