GuangdongDapuTelecomTechnologyCo.,Ltd

http://www.dptel.com

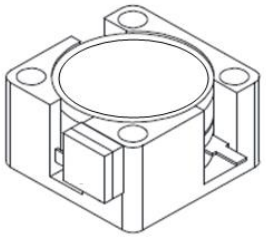
Bldg13-16,.N.Ind.Zone,SSLIndustry Park,DongguanCity,Guangdong Province,PRChina
TEL:0086-0769-88010888
FAX:0086-0769-81800098

DP3541S

ENG PART:DP-12.7X12.7ID-2440T2460-CW

2440MHz to 2460MHz Single-Junction Drop-in Isolator

REV.	DESCRIPTION	REVISOR	DATE	APPROVED
A	SAME AS REV.1	ZZ.Zhu	2024/11/7	Nick

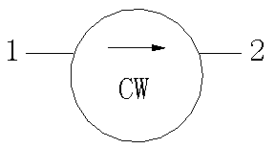


Applications:

- Wireless Infrastructure
- Power Amplifier

Features:

- Operating frequency range: 2440MHz to 2460MHz
- Operating temperature range: -30℃ to +70℃
- Storage temperature range: -45℃ to +110℃
- Small surface-mount package delivered on T&R
- BeOfree&RoHS compliant



Block Diagram

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Electrical Specifications:

ITEM	SPECIFICATION	
Frequency	2400~2500	MHz
Direction	CW	
Impedance	Typ: 50	Ω
Insertion Loss （Max.)	0.3@25±5℃ 0.4@-30~+70℃	dB
Isolation (Min.)	23@25±5℃ 21@-30~+70℃	dB
Return Loss (Min.)	21@25±5℃ 19@-30~+70℃	dB
3rd IMD (Max.)	/	dBc
Extend frequency	/	MHz
Group delay	/	ns
2nd harmonicsuppression	/	dBc
3rd harmonicsuppression	/	dBc
Power FWD/REV/PEAK	60/30/-	W
Termination/Attenuator	-30/-	W/dB
Input Impedance ,real	47~53	Ω
Input Impedance ,imaginary	-3~3	jΩ
Output Impedance ,real	46~52	Ω
Output Impedance ,imaginary	-5~+1	jΩ

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.

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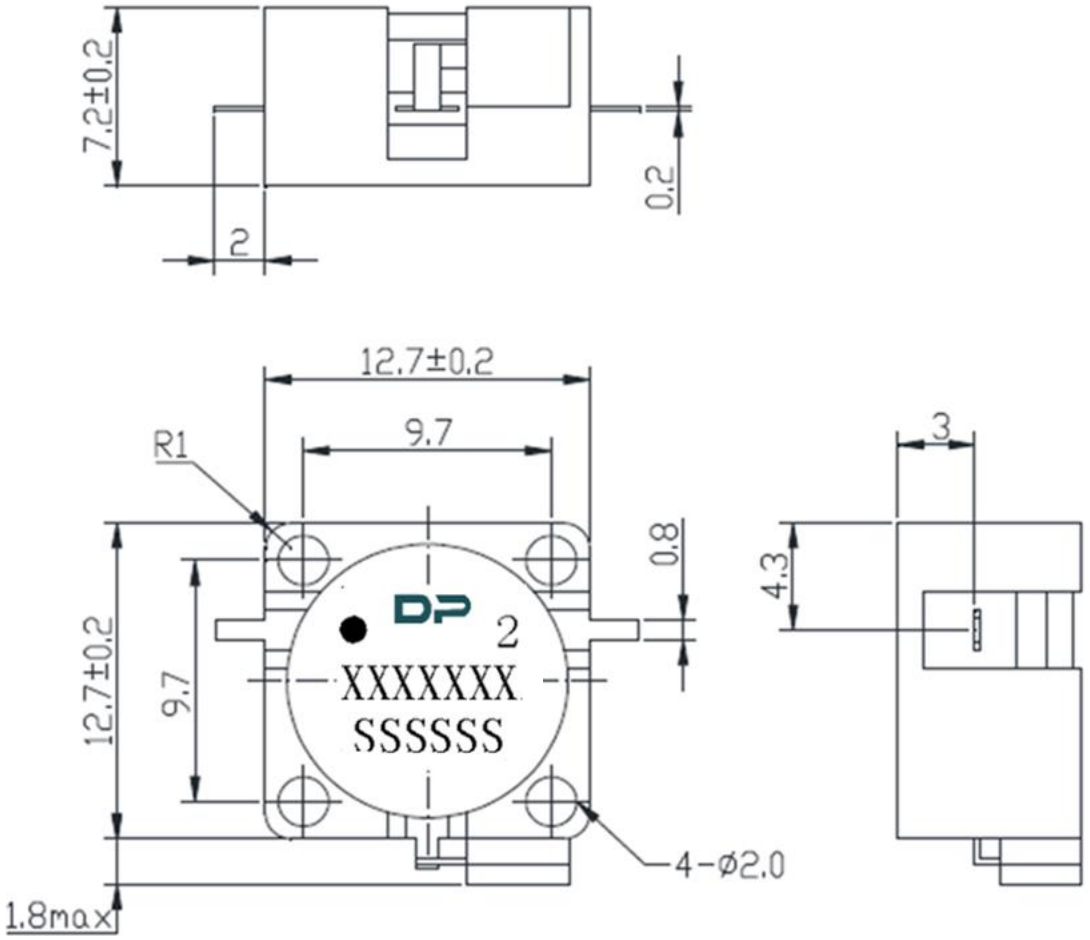
Mechanical Specifications:



Unit: Millimeters

Notes:

1. The housing is nickel-plated and circuit is silver-plated.
2. Tolerance ±0.2mmunless otherwise specified.
3. Co-planarity Specification: 0.1mm maximum.
4. PartNumber, 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 SSSSSS on the label represents the serial number
7. The black dot on the label represents the input port