**GuangdongDapuTelecomTechnologyCo.,Ltd**

**http://www.dptel.com**

Bldg13-16,.N.Ind.Zone,SSLIndustry Park,DongguanCity,Guangdong Province,PRChina
TEL:0086-0769-88010888
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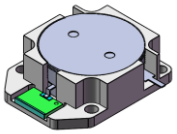
## DP0657S

## ENG PART:DP-25.4x31.7ID-1930T1995-CW

1930MHz to 1995MHz Single Junction Drop-in Isolator

| REV. | DESCRIPTION | REVISOR | DATE | APPROVED |
|---|---|---|---|---|
| A | Creating datasheet | ZC.Wu | 2021/9/18 | Nick |

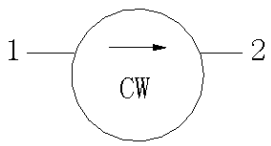


### Applications:

- Wireless Infrastructure
- Power Amplifier

### Features:

- Operating frequency range: 1930MHz to 1995MHz
- Operating temperature range: -40℃ to +90℃
- Storage temperature range: -40℃ to +120℃
- Small surface-mount package delivered on T&R
- BeOfree&RoHS compliant




Block Diagram

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## Electrical Specifications:

| ITEM | SPECIFICATION | |
|---|---|---|
| Frequency | 1930~1995 | MHz |
| Direction | CW | |
| Impedance | Typ: 50 | Ω |
| Insertion Loss （Max.) | 0.25@25℃±5℃<br>0.30@-40℃~+90℃ | dB |
| Isolation (Min.) | 28.0@25℃±5℃<br>25.0@-40℃~+90℃ | dB |
| Return Loss (Min.) | Port 1：28.0@25℃±5℃<br>25.0@-40℃~+90℃<br>Port 2：25.0@-40℃~+90℃ | dB |
| Passband ripple(Max.) | - | dB |
| 3rd IMD (Max.) | -70@2x48dBm CW tones， Spacing 5MHz | dBc |
| Reverse 3rd IMD (Max.) | -89.5 | dBc |
| Group delay | - | ns |
| 2nd harmonic | - | dBc |
| 3rd harmonic | - | dBc |
| Power FWD/REV/PEAK | 150/90/800（0.01% duty cycle） | W |
| Termination/Attenuator | 150（Testing lasted 1 minute）/- | W/dB |
| Input Impedance ,real | - | Ω |
| Input Impedance ,imaginary | - | Ω |
| Output Impedance ,real | - | Ω |
| Output Impedance ,imaginary | - | 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.

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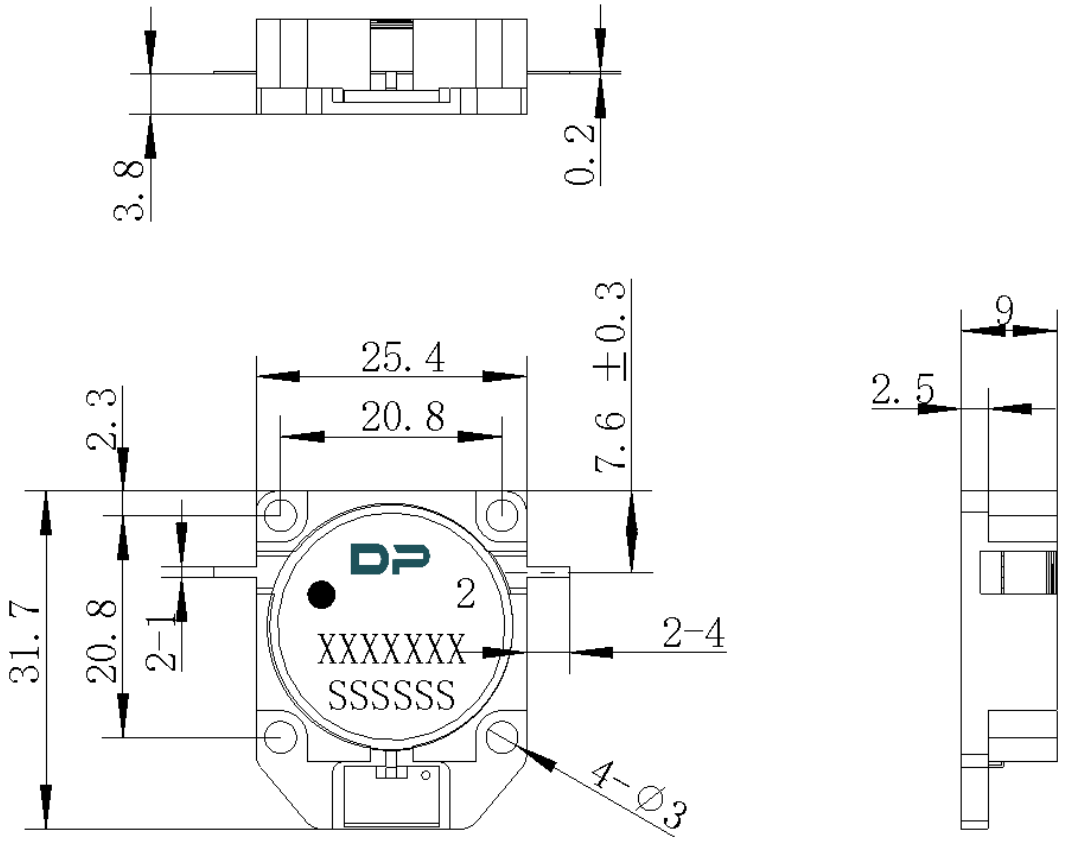
## Mechanical Specifications:




Unit: Millimeters

Notes:

1. The housing is nickel-plated and the tab is silver-plated.
2. Tolerance ±0.2mmunless 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. 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