

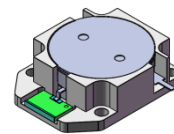


## DP0658S

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

1930MHz to 1995MHz Single Junction Drop-in Isolator

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

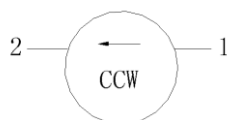


#### Applications:

- Wireless Infrastructure
- Power Amplifier

#### Features:

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



Block Diagram



### Electrical Specifications:

ITEM	SPECIFICATION	
Frequency	1930~1995	MHz
Direction	CCW	
Impedance	Typ: 50	$\Omega$
Insertion Loss (Max.)	0.25@25°C $\pm$ 5°C 0.30@-40°C~+90°C	dB
Isolation (Min.)	28.0@25°C $\pm$ 5°C 25.0@-40°C~+90°C	dB
Return Loss (Min.)	Port 1: 28.0@25°C $\pm$ 5°C 25.0@-40°C~+90°C Port 2: 25.0@-40°C~+90°C	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	-	$\Omega$
Input Impedance ,imaginary	-	$\Omega$
Output Impedance ,real	-	$\Omega$
Output Impedance ,imaginary	-	$\Omega$

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.

