

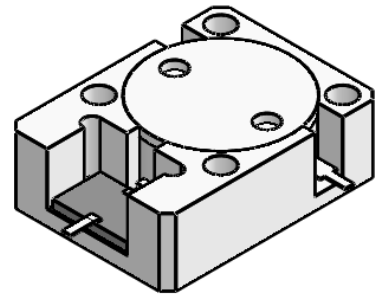


## DP3447S

### ENG PART:DP-19.1X25.4ID-703T803-CW

703MHz to 803MHz Single-Junction Drop-in Isolator

REV.	DESCRIPTION	REVISOR	DATE	APPROVED
A	SAME AS REV.2	ZZ.Zhu	2024/9/18	Nick
B	Updated the spec.	ZC.Wu	2024/9/20	Nick

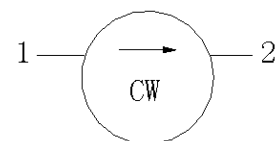


#### Applications:

- Wireless Infrastructure
- Power Amplifier

#### Features:

- Operating frequency range: 703MHz to 803MHz
- Operating temperature range: -40°C to +105°C
- Storage temperature range: -50°C to +125°C
- Small surface-mount package delivered on T&R
- BeOfree&RoHS compliant



Block Diagram



### Electrical Specifications:

ITEM	SPECIFICATION	
Frequency	703~803	MHz
Extend frequency	-	MHz
Direction	CW	
Impedance	Typ: 50	$\Omega$
Insertion Loss (Max.)	0.35@25 $\pm$ 5 $^{\circ}$ C 0.40@-40~+105 $^{\circ}$ C	dB
Isolation (Min.)	21@25 $\pm$ 5 $^{\circ}$ C 20@-40~+105 $^{\circ}$ C	dB
Return Loss (Min.)	20@25 $\pm$ 5 $^{\circ}$ C 18@-40~+105 $^{\circ}$ C	dB
3rd IMD (Max.)	-	dBc
2nd harmonicsuppression	-	dBc
3rd harmonicsuppression	-	dBc
Power FWD/REV/PEAK	150/100/1000	W
Termination/Attenuator	150/30	W/dB
Input Impedance ,real	-	$\Omega$
Input 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.
3. Performance will not degrade by > 10% with operatingtemperatureup to 130  $^{\circ}$ C.

