



CI30N-1450T1750-M027

1450MHz to 1750MHz Single-Junction Coaxial Isolator

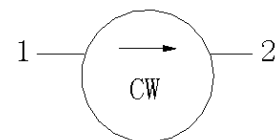
REV.	DESCRIPTION	REVISOR	DATE	APPROVED
1	Creating datasheet	ZC.Wu	2022/10/19	-

Applications:

- Wireless Infrastructure
- Power Amplifier

Features:

- Operating frequency range: 1450MHz to 1750MHz
- Operating temperature range: -10°C to +70°C
- Storage temperature range: -25°C to +85°C
- BeO free & RoHS compliant



Block Diagram



Electrical Specifications:

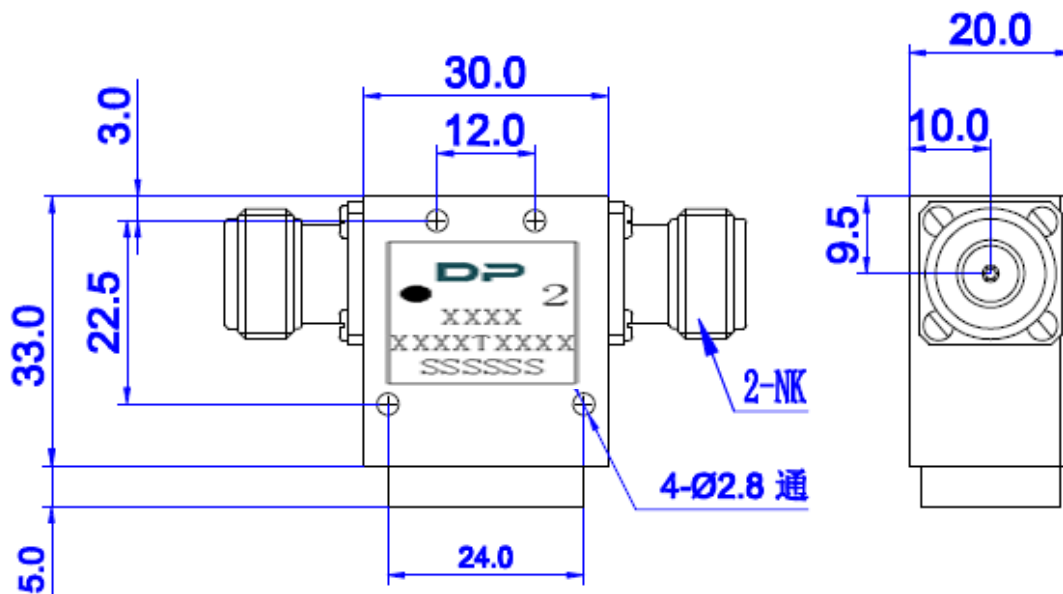
ITEM	SPECIFICATION	
Frequency	1450~1750	MHz
Direction	CW	
Impedance	Typ: 50	Ω
Insertion Loss (Max.)	0.35	dB
Isolation (Min.)	20	dB
Return Loss (Min.)	21	dB
Power FWD/REV/PEAK	100/100/-	W
IMD (Max.)	-	dBc
Phase Consistency (Max.)	-	°
Termination/Attenuator	150/-	W/dB

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.



Mechanical Specifications:



Notes:

Unit: Millimeters

1. The housing is AL 6061 and nickel-plated.
2. Tolerance ± 0.2 mm unless otherwise specified.
3. Co-planarity Specification: 0.1 mm maximum.
4. Part Number, Lot Code, and Port Designation are printed on the top side of device.
5. For the label :
 - 5.1 XXXX on the label represents the last four digits of the Part Number
 - 5.2 XXXXTXXXX on the label represents the operating frequency
 - 5.3 SSSSSS on the label represents the serial number
 - 5.4 The black dot on the label represents the input port