



DP6001C

ENG PART:WC137-5.90T6.95-6001

5.90GHz to 6.95GHz Single Junction Wave Guide Circulator

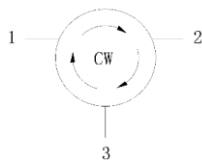
REV.	DESCRIPTION	REVISOR	DATE	APPROVED
A	Creating datasheet	ZC.Wu	2022/3/16	-

Applications:

- Wireless Infrastructure
- Power Amplifier

Features:

- Operating frequency range:5.90GHz to6.95GHz
- Operating temperature range: -40°C to +55
- Storage temperature range: -40°C to +85
- Small surface-mount package delivered on T&R
- BeOfree&RoHS compliant



Block Diagram



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<http://www.dptel.com>

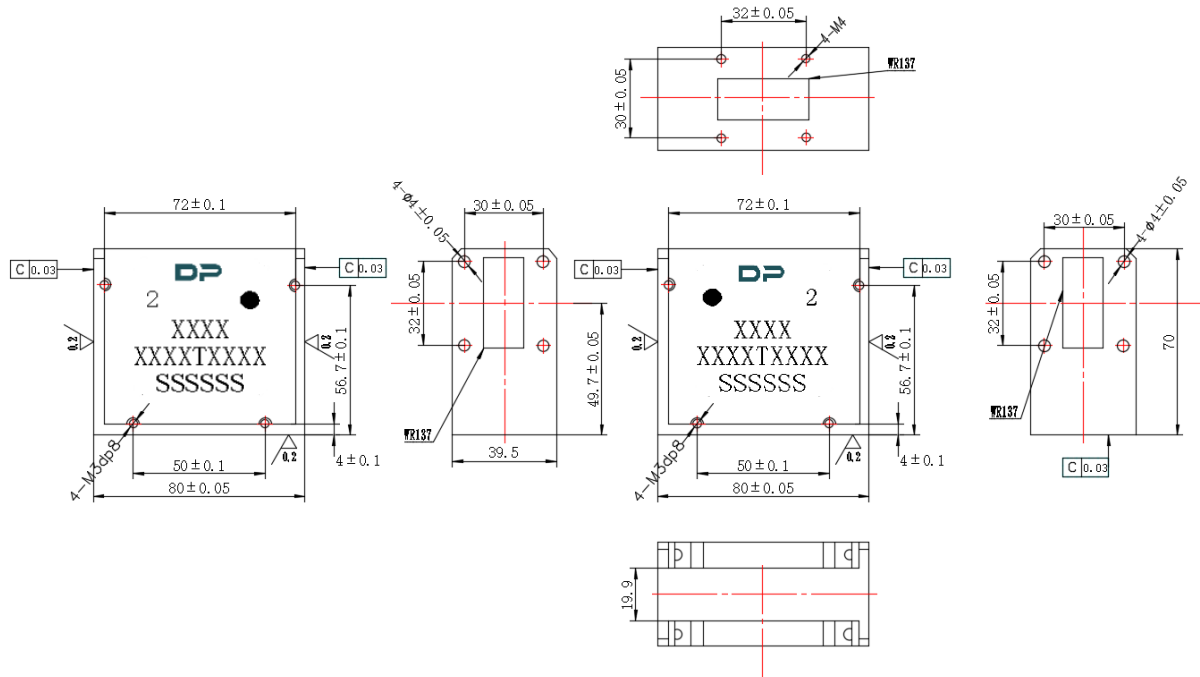
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Electrical Specifications:

ITEM	SPECIFICATION	
Frequency	5.90-6.95	GHz
Direction	-	
Impedance	Typ: 50	Ω
Insertion Loss (Max.)	0.15	dB
Isolation (Min.)	28	dB
Return Loss (Min.)	28	dB
3rd IMD (Max.)	-122@2x32dBm	dBc
Power FWD/REV/PEAK	5/-/-	W
Termination/Attenuator	-	W/dB



Mechanical Specifications:



Unit: Millimeters

Notes:

1. The housing is CHEM FILM.
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