



HENGWEI MICROWAVE

# I / Q MIXER

## HWIQ0307

- ◆ LO : 3 TO 7 GHz
- ◆ IF: DC TO 3 .5GHz
- ◆ Phase amplitude balance good
- ◆ ROHS



### Guaranteed Specification<sup>1,2</sup>

Characteristics	Min.	Typ.	Max.	Unit
Operating Freq.	3		7	GHz
IF Operating Freq.		DC-3.5		GHz
Insertion loss		7.5		dB
Image rejection		30		dBc
LO to RF Isolation LO to IF Isolation		43 30		
1dB Compression(Input)		+12		dBm
IP3(Input)		+22		dBm
Amplitude Balance		0.1		dB
Phase Balance		3		Deg

1. Measured in a 50-ohm system with nominal LO drive and downconverter application only, unless otherwise specified.

2. The I-Port frequency range extends to DC for phase detection, pulse modulation, or attenuator applications; I-Port VSWR degrades from a 50-ohm system at low IF frequencies.



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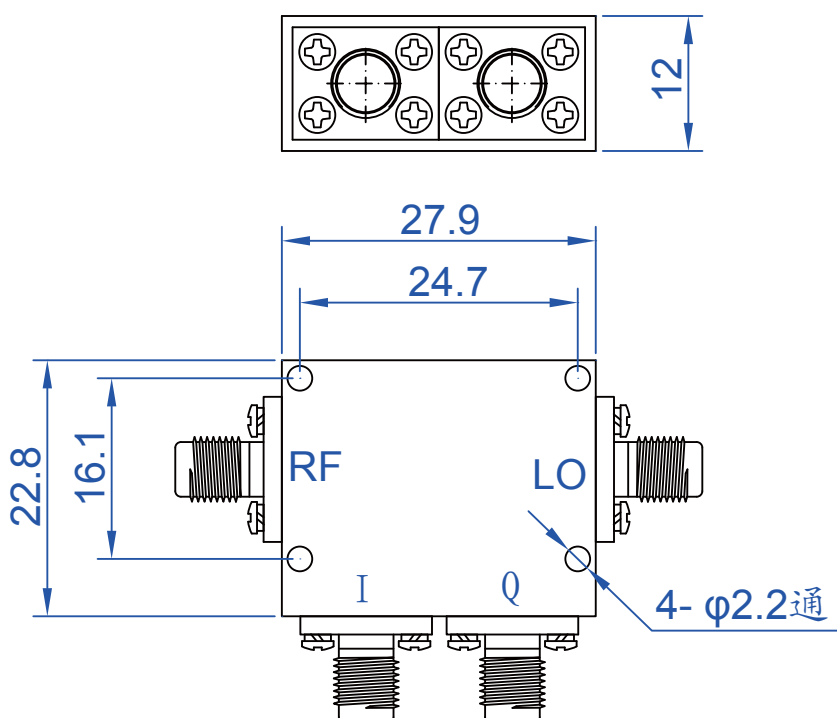
## Absolute Maximum Ratings

Operating Temperature:  $-54^{\circ}\text{C}$  to  $+100^{\circ}\text{C}$

Storage Temperature:  $-65^{\circ}\text{C}$  to  $+100^{\circ}\text{C}$

Connector: SMA

## Outline Drawings



DIMENSIONS ARE IN MILLIMETERS