

HWIQ150340-15

Website: <http://www.cdhwmb.com>

Features of products:

- ◆ The intermediate frequencies can cover DC-3.5GHz;
- ◆ High image suppression and isolation;
- ◆ Proper amplitude and phase balance;
- ◆ Operating temperature range: -50°C – +85°C .

Brief introduction of the products:

IQ mixer serial products developed and manufacturedd by Hengwei Microwave Electronic Co Ltd. adopt advanced micro-electronic packaging technology, which can replace the same kinds of products both at home and abroad.

Application of the products:

This series of products have been widely used as up-down frequency converter, double phase modulator, frequency discriminator and phase discriminator in the fields of microwave communication, radar, remote control, remote sensing, electronic reconnaissance, electronic countermeasures and wireless measurement, etc.

SPECIFICATIONS:

ITEMS	Parameters
RF、 LO Frequency	15-34GHz
IF Frequency	DC-3.5GHz
LO Power	+15dBm
conversion Loss	10dB type
Isolation	LO-RF: 40dB type LO- IF: 40dB type
Image Rejection	28dB
Amplitude balance	±0.5dB
Phase balance	±2.5°
Input 1dB	+13dBm
Input IP3	+20dBm
VSWR	RF:2.5:1 typ LO:2:1 typ I Q:2:1 typ
Connector	RF , LO : 2.92-F(female) I,Q : SMA – F

Notes : Test in 50 ohm system with nominal LO power and downconverter applications.

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ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Operating Temperature	-50		+85	°C
Non-operating Temperature	-65		+100	°C
Relative humidity		95		%
Altitude	10000		30000	feet
Shock / Vibration(MIL-STD-810F)		Airborne		

OUTLINE DRAWING(mm)

