



FEATURE:

- ◆ The intermediate frequencies can cover DC~2.5GHz;
- ◆ High image suppression and isolation;
- ◆ Proper amplitude and phase balance;
- ◆ Operating temperature range: -50℃~+85℃.



SPECIFICATIONS:

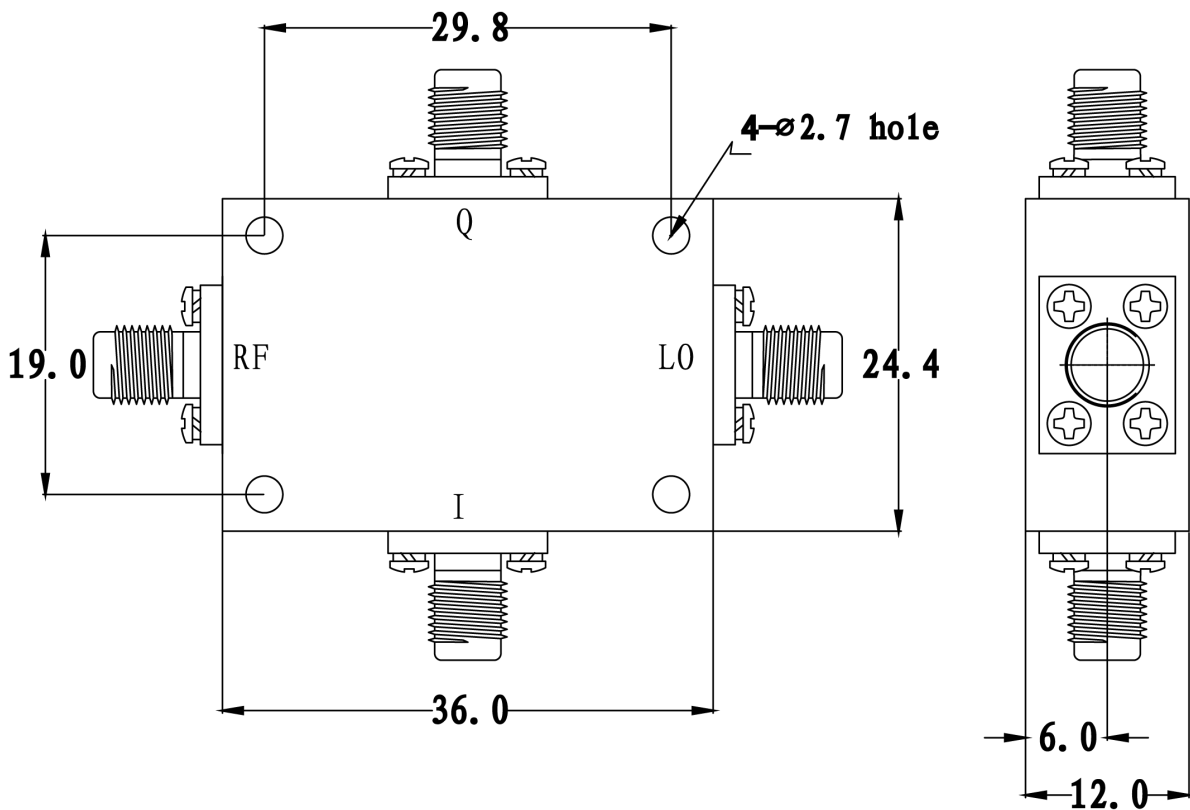
ITEMS	Parameters
LO frequency	8-18GHz
RF frequency	8-18GHz
IF frequency	DC-2.5GHz
Conversion loss	7.5dBtype 8.5max
LO power	+7~+10dBm
LO - RF isolation	type 35dB
LO- IF isolation	type 35dB
Image Rejection	25dBc
Amplitude balance	0.5dB
Phase balance	8°
Input 1dB	+5dBm
RF: VSWR	2:1
LO: VSWR	2:1
I Q:VSWR	2:1
RF , LO Connector	SMA-F(female)
IF Connector	SMA – F



ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Operating Temperature	-50		+85	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	10000		30000	feet
Shock / Vibration(MIL-STD-810F)		Airborne		

OUTLINE DRAWING(mm):





HWIQ80180-10 TEST CURVE AS FOLLOWS:



L-R Test Curve



L-I Test Curve



L-Q Test Curve