

Product features

双平衡混频器，无源

Main specifications

Parameters	Min	Typical	Max	Units
RF Frequency	7	~	43	GHz
LO Frequency	7	~	43	GHz
IF Frequency	DC	~	11	GHz
Conversion loss		10.5		dB
LO input power	14	15	17	dB
RF input P-1dB		+10		dBm
LO-RF ISO		40		dB
LO-IF ISO		25		dB
RF-IF ISO		20		dB

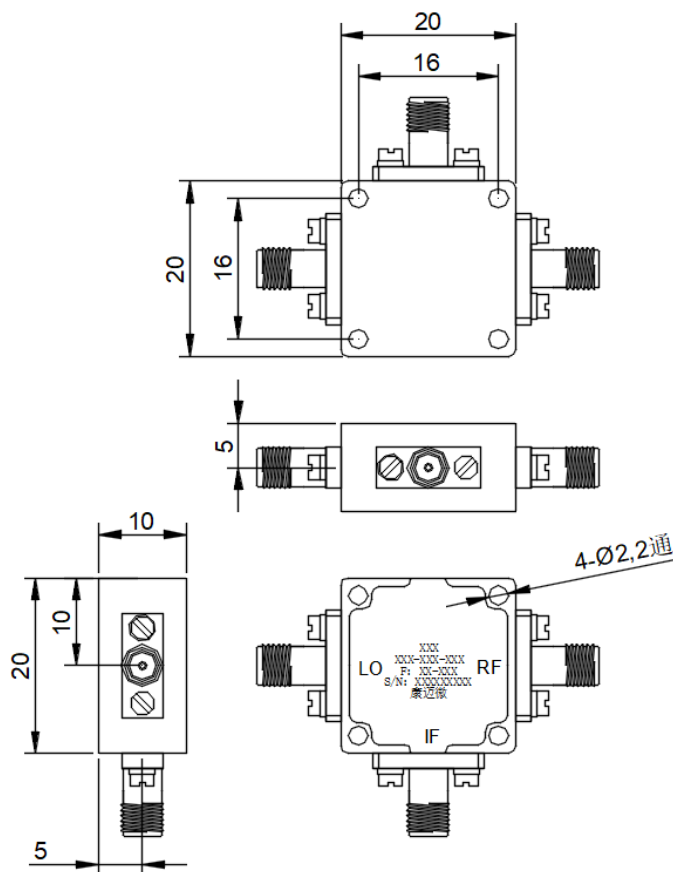
Other parameters

Impedance	50Ω
	2.92-F or K
中频接口形式	SMA-F or K
Operation Temp.	-40~+65°C Design assurance

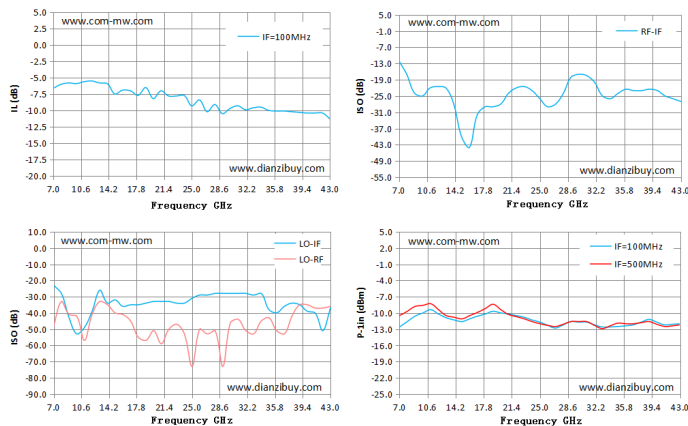
Reference picture



Configuration(mm)



Typical test curve



Note: The specifications and performance data contained in this data sheet are based on tests established by CMW.

Typical test data

Frequency GHz	IF=100MHz ILdB	LO-IF ISOdB	LO-RF ISOdB	RF-IF ISOdB	IF=100MHz P-1in dBm	IF=500MHz P-1in dBm
7.00	-6.60	-23.00	-48.00	-12.00	-12.60	-10.50
9.57	-5.80	-43.00	-41.00	-24.00	-10.60	-8.80
12.14	-5.50	-39.00	-41.00	-21.50	-10.20	-9.40
14.71	-5.90	-34.00	-35.00	-28.00	-11.30	-10.80
17.29	-7.00	-35.00	-45.00	-32.00	-10.60	-9.90
19.86	-6.50	-34.00	-57.00	-29.00	-9.70	-8.40
22.43	-7.80	-33.00	-50.00	-22.00	-10.50	-10.70
25.00	-9.30	-31.00	-73.00	-26.00	-11.70	-12.00
27.57	-10.20	-29.00	-53.00	-28.00	-12.80	-12.50
30.14	-9.70	-28.00	-46.00	-17.00	-11.70	-11.60
32.71	-9.90	-28.00	-51.00	-20.00	-12.20	-12.30
35.29	-10.00	-38.00	-43.00	-24.00	-12.50	-11.90
37.86	-10.10	-36.00	-53.00	-23.00	-12.20	-12.00
40.43	-10.40	-39.00	-35.00	-23.00	-11.70	-12.10
43.00	-11.30	-37.00	-36.00	-27.00	-12.00	-12.20

Note

- 1 Clean the surface of the product, do not soak the product in cleaning solution for cleaning.