

Main specifications

Parameters	Min	Typical	Max	Units
RF Frequency	2	~	18	GHz
LO Frequency	2	~	18	GHz
IF Frequency	DC	~	3	GHz
Conversion loss		10		dB
LO-RF ISO		35		dB
LO-IF ISO		25		dB
RF-IF ISO		25		dB
LO power	+7	+13	+15	dBm

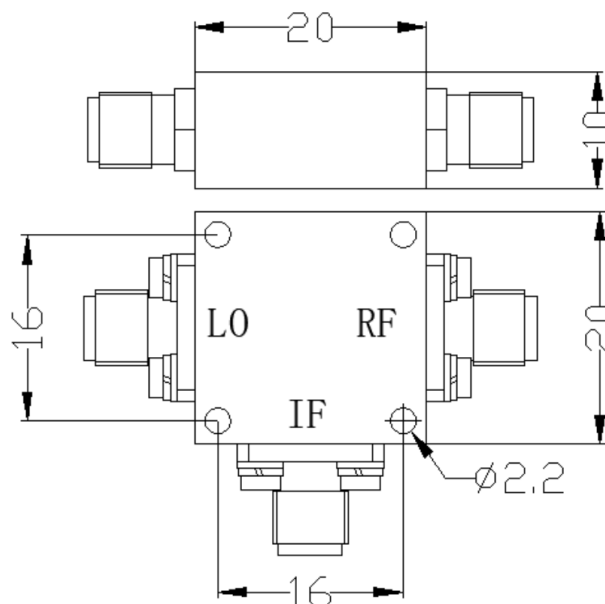
Other parameters

Power	23dBm
Impedance	50Ω
Connector	SMA-K
Connector material	Stainless steel
Surface	Conductive oxidation
Work Temp.	-40~+70°C Design assurance

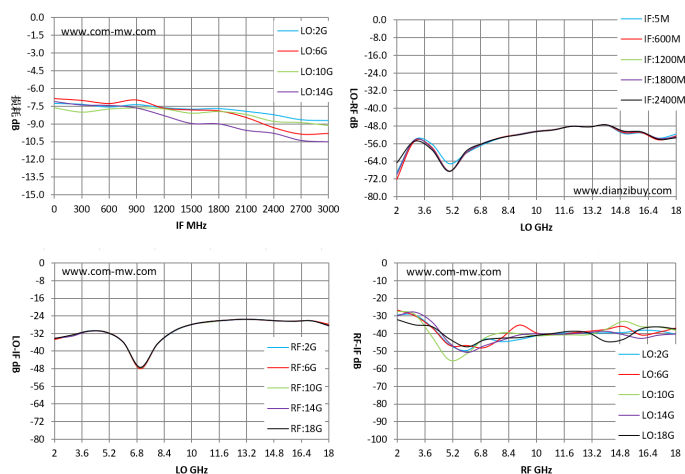
Reference picture



Configuration(mm)



Typical test curve



Note

- 1 Please do not wash the product in the cleaning solution.,Please do not wash the product in the cleaning solution.
- 2 If the temperature is higher than 125°C, consult with us before ordering.

Typical test data

Frequency(GHz)	S21 IL dB	S12 ISO(LO- RF)dB	S12 ISO(LO -IF)dB	S12 ISO(RF -IF)dB
1	-8.6 2	64	38.38	22.68
2	-8.6 2	64	38.38	22.68
3	-8.5 7	57.5	34.8	22.2
5	-8.5 6	55.5	32.96	48
6	-8.5 6	55.5	32.96	48
7	-8.7 3	70.1	41.45	40.9
8	-7.8 9	60.2	49.8	33.4
10	-8.4 8	55.7	30.7	29.88
11	-8.4 8	55.7	30.7	29.88
12	-8.0 7	53	29.7	31.34
13	-8.4 7	54	28.6	31.5
14	-9.0 9	51.4	30.4	28.36
16	-9.2 1	52.7	29.7	26.5
17	-7.9 6	56.4	30.4	32.1
18	-6.3 2	57.2	32.7	27.3

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