

Main specifications

Parameters	Min	Typical	Max	Units
RF Frequency	8	~	15	GHz
LO Frequency	8	~	15	GHz
IF Frequency	DC	~	5	GHz
IL			12	dB
Input P-1		11		dBm
LO power	11	13	15	dBm
Conversion loss		9		dBm
LO-RF ISO		40		dB
LO-IF ISO		40		dB
RF-IF ISO		30		dB

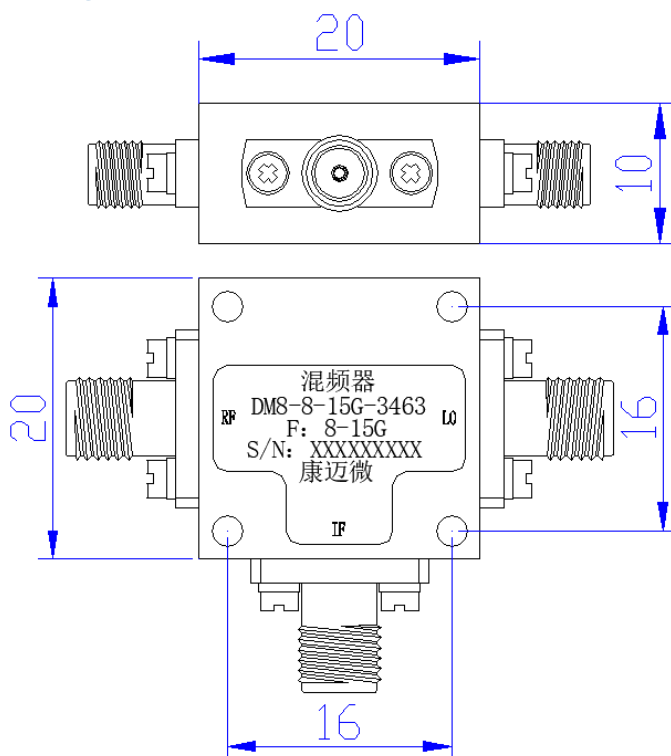
Other parameters

Power Capacity	20dBm Design assurance
Impedance	50Ω
Connector	SMA-K
Operation Temp.	-40~+85°C Design assurance
Note	12~15GHz射频中频隔离最小30dB

Reference picture



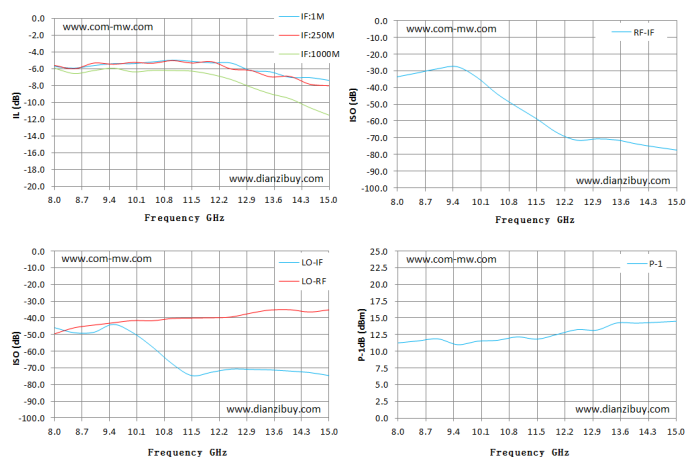
Configuration(mm)



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

Typical test data

Frequency GHz	IF:250 M IL dB	LO-IF ISOd B	LO-RF ISOd B	LO-IF ISOd B	P- 1dB m
8	-5.6	-45.9	-49.6	-33.6	11.3
8.5	-6	-48.9	-46	-31.3	11.6
9	-5.3	-48.7	-44.4	-28.9	11.9
9.5	-5.4	-43.9	-43	-27.6	11
10	-5.2	-48.9	-41.7	-34	11.5
10.5	-5.3	-57.5	-41.7	-43.8	11.7
11	-5	-67.5	-40.4	-51.6	12.2
11.5	-5.3	-74.6	-40.1	-58.8	11.8
12	-5.1	-72.6	-40	-67	12.5
12.5	-6	-70.7	-39.5	-71.5	13.2
13	-6.2	-70.9	-37.2	-70.7	13.2
13.5	-6.9	-71.2	-35.3	-71.4	14.2
14	-6.9	-71.9	-35.1	-73.8	14.2
14.5	-7.8	-72.8	-36.5	-75.7	14.3
15	-8	-74.6	-35.2	-77.4	14.5

Typical test curve**Note**

1	Clean the surface of the product, do not soak the product in cleaning solution for cleaning.
2	If the temperature is higher than 125°C, consult with us before ordering.