

Features

- LO drive level : +10dBm(Typ)
- LO&RF frequency range:2.0~18.0GHz
- Low Conversion loss , High isolation
- 50 Ω impedance matching High reliability
- Removable SMA connectors
- Operating temperature range:-55℃~+85℃

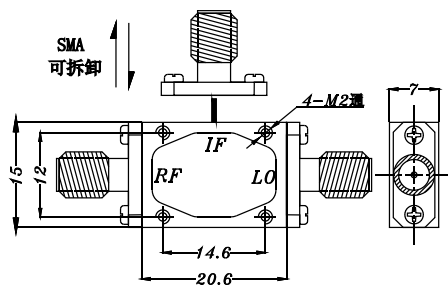


Specifications(measured in a 50 Ω system, TA=25℃)

Parameter		Symbol	Unit	Guaranteed	Typical
Frequency Range	LO&RF	f	GHz	2.0~18.0	2.0~18.0
	IF			0.005~5.0	0.001~5.0
Conversion Loss		C.L	dB	9.5(0.05~2.0GHz)	7.5(0.05~2.0GHz)
				10.0(2.0~4.0GHz)	8.0(2.0~4.0GHz)
				11.0(0.005~5.0GHz)	8.5(0.005~5.0GHz)
Iso	LO-RF	Iso	dB	18(4.0~18.0GHz)	40(4.0~8.0GHz)
				15(2.0~4.0GHz)	20(2.0~4.0GHz)
	LO-IF			20(2.0~8.0GHz)	25(2.0~8.0GHz)
				14(8.0~18.0GHz)	20(8.0~18.0GHz)
	RF-IF			23(2.0~8.0GHz)	26(2.0~8.0GHz)
14(8.0~18.0GHz)		20(8.0~18.0GHz)			
1dB Compression point		P-1	dBm	3.0	6.0
Input Intercept 3rd order point		IP3	dBm	—	14.0

Absolute Maximum Ratings

RF Input Power : +20dBm Storage Temp:+125℃



MDB-0218G

Application Notes :

1. LO drive level : +10dBm(Typ)
2. Input/output pin should be connected to 50 Ω microstrip.
3. The bottom should be placed as close to ground as possible for better RF grounding

Typical Performance

