



X-Band BDC

X_BDC



Features

- Input Frequency Range 7.25 ~ 7.75GHz
- Output Frequency Range 950 ~ 1450MHz
- Small Size & Light Weight

Applications

- Satellite receivers

Specifications

No.	Parameter		Specification
1	Frequency	Input	7.25 ~7.75 GHz
		Output	950 ~ 1450MHz
		LO	6.3 GHz
2	LO Stability		±2ppm (±12.6KHz)
3	LO Phase Noise		-75 dBc @ 1KHz
			-85 dBc @ 10KHz
			-95 dBc @ 100KHz
4	NoiseFigure@23°		12 dB
5	Gain		25 ± 2dB
6	Gain Flatness		≤ 1dB p-p over 27 MHz ≤ 4dB p-p over full IF range
7	Gain variation over Temp.		≤ 4dB p-p
8	IN, OUT VSWR		2 : 1
9	OP1dB		10 dBm
10	Spurious in band		-65dBm Max
11	Spurious out band		-25dBm Max
12	Image Rejection		40 dB Min
13	LO leakage at input		-45dBm Max
14	Operating Temperature		-40 ~ +60 °C
15	DC Power	Voltage	15 ~ 24 V
		Current	280 mA
16	Connector	Input	SMA-female
		Output	N-female