

* Active parts

Satellite updown- Convertor 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

Parameter		Specification
Frequency	Input	7.25 ~ 7.75 GHz
	Output	950 ~ 1450MHz
	LO	6.3 GHz
LO Stability		±2ppm (±12.6KHz)
LO Phase Noise		-75 dBc @ 1KHz
		-85 dBc @ 10KHz
		-95 dBc @ 100KHz
NoiseFigure@23°		12 dB
Gain		25 ± 2dB
Gain Flatness		≤ 1dB p-p over 27 MHz ≤ 4dB p-p over full IF range
Gain variation over Temp.		≤ 4dB p-p
IN, OUT VSWR		2 : 1
OP1dB		10 dBm
Spurious in band		-65dBm Max
Spurious out band		-25dBm Max
Image Rejection		40 dB Min
LO leakage at input		-45dBm Max
Operating Temperature		-40 ~ +60 °C
DC Power	Voltage	15 ~ 24 V
	Current	280 mA
Connector	Input	SMA-female
	Output	N-female