

* Active parts

Satellite updown- Convertor Ka-band BDC (Ka-BDC)



• Features

- ▶ Input Frequency Range 19.7~20.2GHz
- ▶ Output Frequency Range 950~1450MHz
- ▶ Small Size & Light Weight

* Applications

- ▶ Satellite Receivers

Parameter		Specification
Frequency	Input	19.7 ~20.2 GHz
	Output	950 ~ 1450MHz
	LO	18.75 GHz
LO Phase Noise		-65 dBc @ 1KHz
		-75 dBc @ 10KHz
		-90 dBc @ 100KHz
Noise Figure @23° C		18 dB
Gain		25 ± 2dB
Gain Flatness		≤ 1dB p-p over 27 MHz
		≤ 4dB p-p over full IF range
Gain variation over Temp.		≤ 5dB p-p
VSWR	Input	2.2 : 1
	Output	2 : 1
OP1dB		6 dBm
OIP3		15dBm
Spurious in band		-65dBm Max(non harmonic)
Spurious out band		-30dBm Max
Image Rejection		40 dB Min
LO leakage at input		-45dBm Max
External ref.		10MHz, 5±5dBm
Input ,Output stability		Any load unconditionally stable
Operating Temperature		-40 ~ +60 °C
DC Power	Voltage	15 ~ 24 V
	Current	500 mA
Connector	Input	WR-42
	Output	N-female