



Ka-Band BDC

Ka_BDC



Features

- Input Frequency Range 19.2 ~ 20.2GHz
- Output Frequency Range 950 ~ 1950MHz
- Small Size & Light Weight

Applications

- Satellite receivers

Specifications

No.	Parameter		Specification
1	Frequency	Input	19.2 ~20.2 GHz
		Output	950 ~ 1950MHz
		LO	18.25 GHz
2	LO Phase Noise		-65 dBc @ 1KHz
			-75 dBc @ 10KHz
			-90 dBc @ 100KHz
3	Noise Figure @23° C		18 dB
4	Gain		25 ± 2dB
5	Gain Flatness		≤ 1dB p-p over 27 MHz ≤ 4dB p-p over full IF range
6	Gain variation over Temp.		≤ 5dB p-p
8	VSWR	Input	2.2 : 1
		Output	2 : 1
9	OP1dB		6 dBm
10	OIP3		15dBm
11	Spurious in band		-65dBm Max(non harmonic)
12	Spurious out band		-30dBm Max
13	Image Rejection		40 dB Min
14	LO leakage at input		-45dBm Max
15	External ref.		10MHz, 5±5dBm
16	Input ,Output stability		Any load unconditionally stable
17	Operating Temperature		-40 ~ +60 °C
18	DC Power	Voltage	15 ~ 24 V
		Current	500 mA
19	Connector	Input	WR-42
		Output	N-female