



- Dual bands are switchable
- Low power consumption
- Higher reliability from integrated design principle
- Compact size and light weight
- Meet ETSI, FCC standards



## Block Downconverter X-Band 100 (BDC)

Model: GBDX10010, GBDX10025

### Specifications

Parameter	Specification
Input Freq.	7.25 – 7.75 GHz
Output Freq.	950 - 1450MHz
L.O Freq.	6.3 GHz
Noise figure	13 dB max
Conversion gain at -40 to +60°C	30 dB typ. (27dB min. 33dB max.)
Gain flatness	4 dBp-p max.
Gain flatness at -40 to +60°C	5 dBp-p max.
Gain ripple at per 27MHz, -30 to +60°C	1 dBp-p max.
L.O stability at -40 to +60°C	±10, 25 KHz max.
Image rejection	40 dBc min.
Phase noise	-70 dBc/Hz (@ 1KHz) -80 dBc/Hz (@ 10KHz) -95 dBc/Hz (@ 100KHz)
Output P1dB	+5 dBm min.
Input VSWR	2.2: 1 max
Output VSWR	2.2: 1 max
Input connector	SMA, N-type female (option)
Output connector	F, N, SMA-type female (option)
Power supply	+12 to +24V DC
Power supply connector	Feed thru and/or output connector
Required current	300 mA max.
Operating temperature	-40 to +60°C
Waterproof	IP 67
Dimension (exclude connector)	108.0 x 79.5 x 42.0 mm
Weight	550 g

# Mechanical Diagram (Unit: inch (mm))

