



BDC X-BAND XT1000 SERIES

SPECIFICATIONS

Noise Figure	13 dB max. at room temp.
L.O. Stability	Phase Locked to External Reference
Phase Noise (SSB) max.	Depends on External Reference
Input VSWR	2.2 : 1
Output VSWR	2.2 : 1
Gain	30 dB typ., 27 dB min., 33 dB max.
Gain Flatness (over full band)	≤ 4 dB p-p
Output P1dB	+ 5 dBm min.



DC Power	+15V to +24 V DC
Current	300 mA max.
Input (waterproof)	N-Connector (50 Ohm)
Output (waterproof)	F-Connector (75 Ohm) N-Connector (50 Ohm)
Dimensions (L x W x H)	108 mm x 80 mm x 42 mm (4.25 in x 3.15 in x 1.65 in)
Weight	550 g (19.4 oz)
Operating Temperature	- 40 to + 60°C
Storage Temperature	- 50 to + 70°C
External Ref Freq	10 MHz (sine-wave), +/- 5dBm

FREQUENCY BANDS

Frequency Band (GHz)	8.0 - 8.7
L.O. Frequency (GHz)	7.05
IF Frequency (MHz)	950 - 1650

HOW TO ORDER

BDC-XT1000N

CONNECTOR F - 75 Ohm
N - 50 Ohm

BDC SERIES #

MECHANICAL DIAGRAM

