Norsat International Inc.

Innovative Communication Solutions

35 YEARS OF EXCELLENCE

BDC
C-BAND
3000 SERIES

TYPICAL SPECIFICATIONS

Noise figure	10 dB
L.O. stability (over temperature excl offset)	±25 kHz
Phase noise (SSB)	-73 dBc/Hz at 1 kHz -90 dBc/Hz at 10 kHz -100 dBc/Hz at 100 kHz
Input VSWR	2.0 : 1
Output VSWR	2.0 : 1

Conversion gain	40 dB
Gain stability over temperature	±2.5 dB at any constant frequency
Output P1dB	6 dBm
Power requirements	+15 to +24 V
Current drain	200 mA
Dimensions	180 (L) x 100 (W) x 70 (H) mm (7.1 x 3.9 x 2.8 in)
Weight	700 g / 24.7 oz
Temperature Range	-40°C to +60°C

FREQUENCY BANDS AVAILABLE

Input frequency (GHz)	3.40 to 4.20
L.O. frequency (GHz)	5.15
Output frequency (MHz)	950 to 1750

HOW TO ORDER

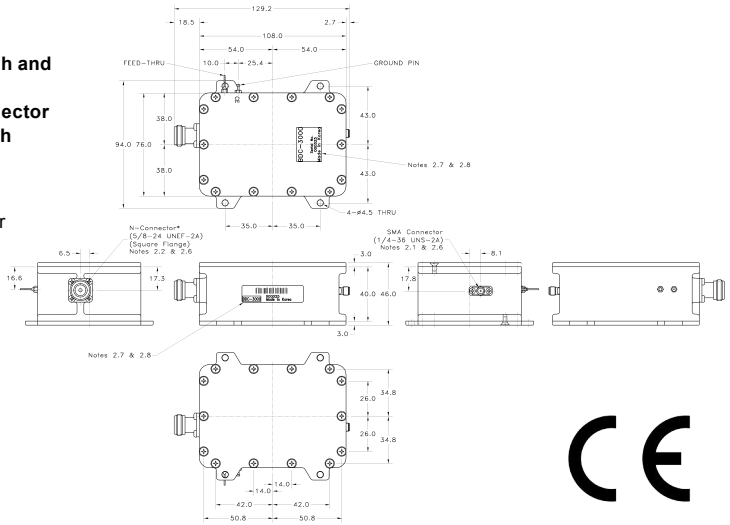
BDC-3000ND

D - DC Power through Feed-Through and Output Connector
C - DC Power through Output Connector
P - DC Power through Feed-Through

OUTPUT CONNECTOR
F - F Connector
N - N Connector
S - SMA Connector

BLOCK DOWN CONVERTER (Input Connector SMA)

MECHANICAL DIAGRAM



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