



EUROSATCOM
VSATECH ASSOCIÉ

BDC C-BAND 3000 SERIES

TYPICAL SPECIFICATIONS

Noise Figure	10 dB max. at room temp.
L.O. Stability	± 25 kHz max.
Phase Noise (SSB) max.	-73 dBc/Hz at 1 kHz -83 dBc/Hz at 10 kHz -93 dBc/Hz at 100 kHz
Input VSWR	2.0 : 1 max.
Output VSWR	2.0 : 1 max.
Gain	40 dB typ., 38 dB min., 42 dB max.
Gain Flatness (over full band)	≤ 4 dB p-p
Output P1dB	+ 5 dBm min.
DC Power	+ 12V to + 24V DC Feed-Through and Output Connector Output Connector Feed-Through
Current	300 mA max.
Input (waterproof)	SMA-Connector (50 Ohm)
Output (waterproof)	F-Connector (75 Ohm) N-Connector (50 Ohm) SMA-Connector (50 Ohm)
Dimensions (L x W x H)	129 mm x 94 mm x 46 mm (5.07 in x 3.70 in x 1.81 in)
Weight	700 g (24.70 oz)
Operating Temperature	-40 to + 60 °C
Storage Temperature	-40 to + 80 °C



FREQUENCY BANDS

Frequency Band (GHz)	3.40 - 4.20
L.O. Frequency (GHz)	5.15
IF Frequency (MHz)	950 - 1750

HOW TO ORDER

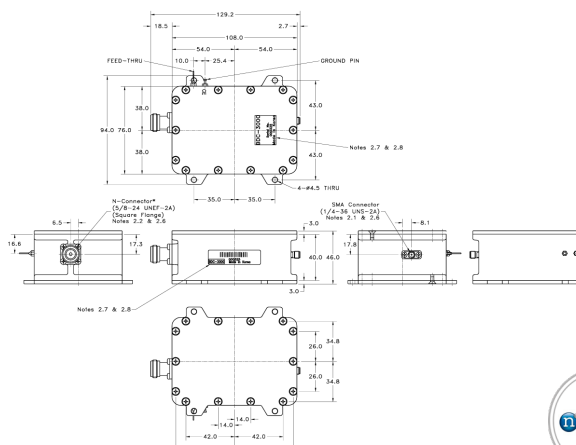
BDC-3000ND

BDC SERIES #

CONNECTOR
F - 75 Ohm
N - 50 Ohm
S - SMA 50 Ohm

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

MECHANICAL DIAGRAM



PUB000058 Rev A



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