



EUROSATCOM
VSATECH ASSOCIÉ

BDC C-BAND EXT REF 3000X SERIES

TYPICAL SPECIFICATIONS

Noise Figure	10 dB max. at room temp.
L.O. Stability	Phase Locked to External Reference
Phase Noise (SSB) max.	Depends on External Reference
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
External Ref Freq	10 MHz (sine-wave), -10 to 0 dBm



FREQUENCY BANDS

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

HOW TO ORDER

BDC-3000XSC-10S

BDC SERIES #

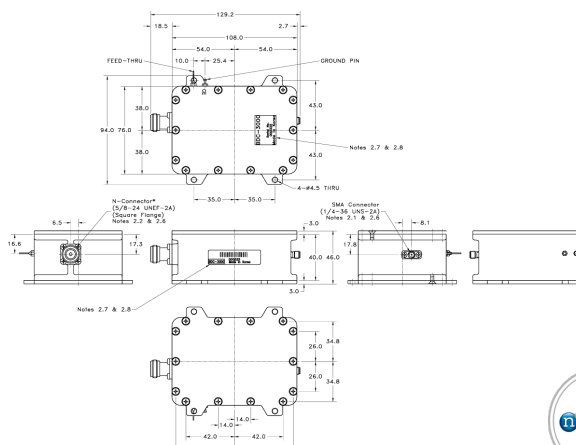
EXTERNAL REFERENCE

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

EXT REF
INPUT
(BLANK)
10MHz via
Output Connector
10S - 10MHz
via separate SMA

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

MECHANICAL DIAGRAM



PUB000094 Rev B



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