Norsat International Inc.

Innovative Communication Solutions

BDC

C-BAND EXT REF 3000X SERIES

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
	Via	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

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

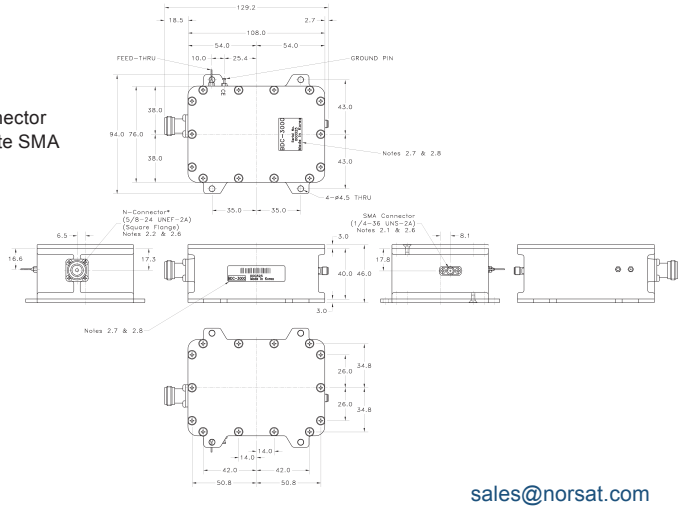
D - DC Power through Feed-Through and Output Connector
C - DC Power through Output Connector
P - DC Power through Feed-Through

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

EXTERNAL REFERENCE

BDC SERIES #

MECHANICAL DIAGRAM



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