Norsat International Inc.

Innovative Communication Solutions

35 YEARS OF EXCELLENCE

BDC

C-BAND EXT REF 3000X SERIES

TYPICAL SPECIFICATIONS

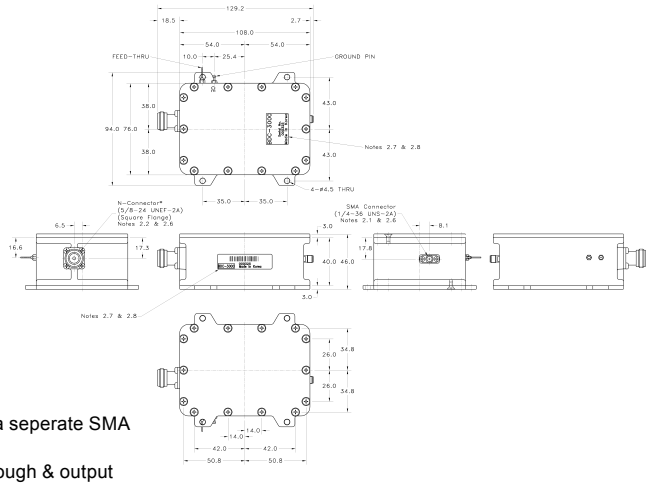
Noise figure	10 dB
L.O. stability	Phase locked to External Reference
Phase noise (SSB)	-73 dBc/Hz at 1kHz -90 dBc/Hz at 10kHz -100 dBc/Hz at 100kHz
Input VSWR	2.0 : 1
Output VSWR	2.0 : 1
Input Connector	SMA (f)

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

MECHANICAL DIAGRAM



HOW TO ORDER

BDC-3000XSC-10S

REF.FREQ.	10S-10MHz via seperate SMA
DC POWER	D- via feed through & output C- via output connector P- via feed through
OUTPUT CONNECTOR	F - F Connector N - N Connector S - SMA Connector
EXTERNAL REF	
BLOCK DOWN CONVERTER	

VIKING SATCOM

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