



Norsat
International Inc.

Innovative Communication Solutions

BDC KA-BAND EXT REF 9000X SERIES

SPECIFICATIONS

Noise Figure	18 dB max. at room temp.
L.O. Stability	Phase Locked to External Reference
Phase Noise (SSB) max.	Depends on External Reference
Input VSWR	2.2 : 1 max.
Output VSWR	2.2 : 1 max.
Gain	25 dB typ., 22 dB min., 28 dB max.
Gain Flatness (over full band)	≤ 4 dB p-p
Output P1dB	+ 5 dBm min.



DC Power	+ 15V to + 24V DC
Current	350 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)	90 mm x 78 mm x 40 mm (3.54 in x 3.07 in x 1.57 in)
Weight	400 g (14.11 oz)
Operating Temperature	- 40 to +60°C
Storage Temperature	- 40 to +80°C
External Ref Freq	-5 to 5 dBm
Protection Grade	IP67

FREQUENCY BANDS

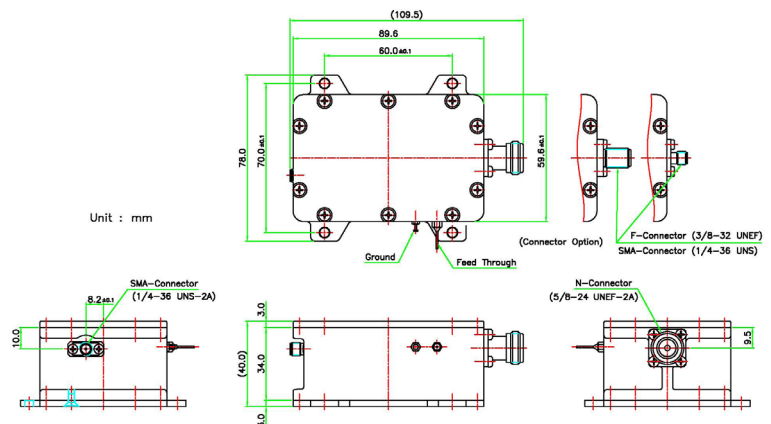
	9000XA	9000XB	9000XC	9000XD
Frequency Band (GHz)	18.20 - 19.20	19.20 - 20.20	20.20 - 21.20	21.20 - 22.20
L.O. Frequency (GHz)	17.25	18.25	19.25	20.25
IF Frequency (MHz)	950 - 1950	950 - 1950	950 - 1950	950 - 1950

HOW TO ORDER

BDC-9000XAND

D	DC Power through Feed-Through and Output Connector
C	DC Power through Output Connector
P	DC Power through Feed-Through
CONNECTOR	F - 75 Ohm N - 50 Ohm S - SMA 50 Ohm
FREQUENCY	A - 18.2 to 19.2 GHz B - 19.2 to 20.2 GHz C - 20.2 to 21.2 GHz D - 21.2 to 22.2 GHz
EXTERNAL REFERENCE	
BDC SERIES #	

MECHANICAL DIAGRAM



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sales@norsat.com
www.norsat.com