



Norsat
International Inc.

Innovative Communication Solutions



BDC

KA-BAND EXT REF

9000X SERIES

TYPICAL SPECIFICATIONS

Noise figure @23°C	18 dB max
L.O. stability	Ext Ref - Subject to 10 MHz ref used
Phase noise (SSB)	-65 dBc/Hz at 1 kHz -85 dBc/Hz at 10 kHz -100 dBc/Hz at 100 kHz -106 dBc/Hz at 1 MHz
Input VSWR	2.2 : 1
Output VSWR	2.0 : 1
IF Output Frequency	950 to 1950 MHz
Conversion gain	25 dB typ.
Gain flatness	4db p-p



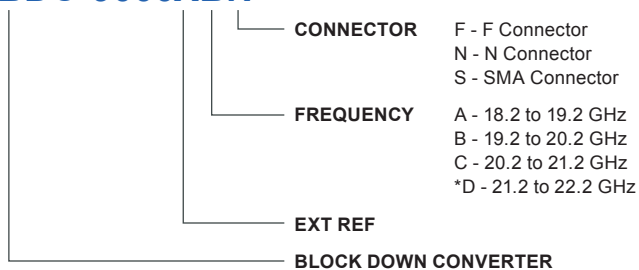
Output 1dB	5 dBm
Input connector	SMA female
Power requirements	+15 to +24 V
Current drain	350 mA max
Dimensions	109 (L) x 78 (W) x 40 (H) mm
Weight	350 g
Temperature Range	-40°C to +60°C

STD. FREQUENCY BANDS AVAILABLE

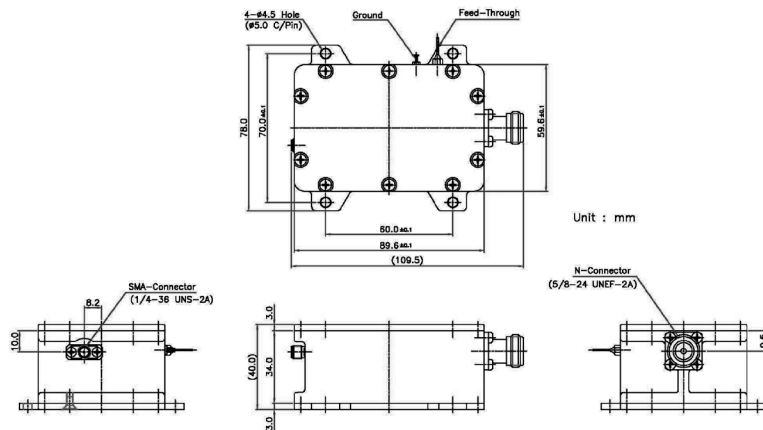
Typical service	9000XA	9000XB	9000XC	9000XD *special order only
Input frequency (GHz)	18.2 to 19.2	19.2 to 20.2	20.2 to 21.2	21.2 to 22.2
L.O. frequency (GHz)	17.25	18.25	19.25	20.25
Output frequency (MHz)	950 to 1950	950 to 1950	950 to 1950	950 to 1950

HOW TO ORDER KA-BAND BDC-9000X

BDC-9000XBN



MECHANICAL DIAGRAM



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