Norsat International Inc.

Remote Communication Solutions

LNB

KA-BAND EXT. REF 9000XD-3

TYPICAL SPECIFICATIONS

Noise figure	1.6 dB max
L.O. stability	Phase locked to External Reference
Phase noise (SSB) max	70 dBc/Hz at 1kHz 80 dBc/Hz at 10kHz 100 dBc/Hz at 100 kHz
Input VSWR	2.2 : 1
Output VSWR	2.2 : 1

FREQUENCY BANDS AVAILABLE

Frequency band (GHz)	21.20 to 22.20
L.O. frequency (GHz)	20.25
IF frequency (MHz)	950 to 1950

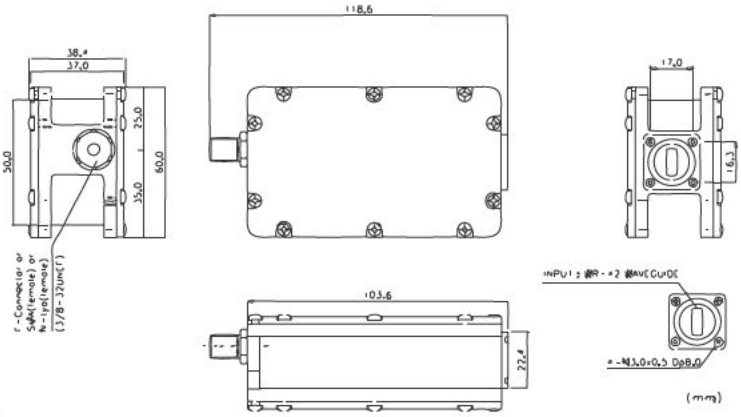
Conversion gain	58 dB (typ)
Output P1dB	5 dBm
Image rejection	40 dBc min
DC power	+12 to +24V
DC current	300 mA
Waveguide Flange	WR42
Output connector	N or F (Female)
Dimensions	137(L) x 70(W) x 59(H) mm
Weight	450 g
Operating Temperature	30 to + 60°C
Gain flatness	± 2 dBp p max

HOW TO ORDER

9000XD-3N

CONNECTOR	F 75 Ohm N 50 Ohm
FREQUENCY	21.20 22.20
L.O. STABILITY	Phase locked to 10 MHz ext. ref
NOISE FIGURE	1.6 dB
LNB SERIES #	

MECHANICAL DIAGRAM



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