



Norsat
International Inc.

Innovative Communication Solutions

LNB

KA DUAL-BAND

EXT. REF.

9000X-3

SPECIFICATIONS

Noise figure	1.6 dB max
L.O. stability	Phase locked to ext. ref.
Phase Noise (SSB) max.	-60 dBc/Hz at 100Hz -70 dBc/Hz at 1kHz -80 dBc/Hz at 10kHz -100 dBc/Hz at 100kHz -100 dBc/Hz at 1MHz
Input VSWR	2.2 : 1
Output VSWR	2.0 : 1
Conversion gain	58 dB (min.)
Gain Flatness Over 1000 MHz	+/- 2dB (± 2.5 dB max @ band AE,BE)
Output P1dB	5 dBm
Image Rejection	40 dBc min.



DC Power	
Band 1	13 V
Band 2	18 V
DC Current	350 mA
Waveguide Flange	WR-42
Output Connector	N:50 Ω , F: 75 Ω
Spurious	
In band	-60 dBc
Out band	-50 dBc
Dimensions (LxWxH)	128 mm x 70 mm x 38.4 mm
Weight	500 g
Operating Temperature	-40 to + 60°C

FREQUENCY BAND EXAMPLES - Custom Options Available

	AE	BE	B	C
RF frequency (GHz)	17.70 to 18.95	18.95 to 20.20	19.20 to 20.20	20.20 to 21.20
L.O. frequency (GHz)	16.75	18.00	18.25	19.25
IF frequency (MHz)	950 to 2200	950 to 2200	950 to 1950	950 to 1950

HOW TO ORDER

9016XBC-3F

CONNECTOR	F - 75 Ohm N - 50 Ohm
FREQUENCY	AEBE - Switching between AE & BE BC - Switching between B & C
NOISE FIGURE	1.6 dB
LNB SERIES #	

MECHANICAL DIAGRAM

