



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	13 V 18 V
DC Current	350 mA
Waveguide Flange	WR-42
Output Connector	N:50 Ω , F: 75 Ω
Spurious	-60 dBc -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

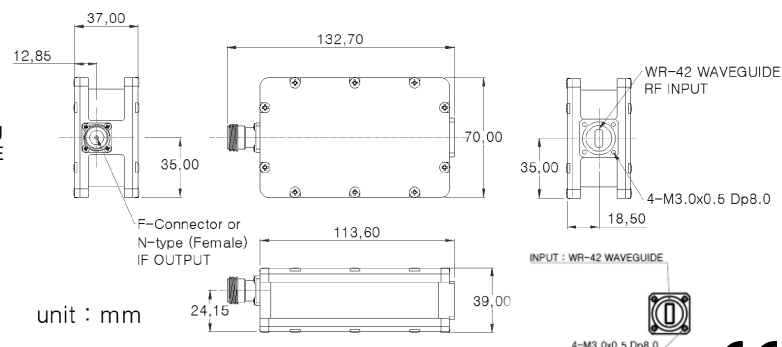
	AE	BE	B	C
RF frequency (GHz)	17.70 to 18.95	18.95 to 20.20	19.20 to 20.20	20.20 to 21.20
L.O. frequency (GHz)	16.75	18.00	18.25	19.25
IF frequency (MHz)	950 to 2200	950 to 2200	950 to 1950	950 to 1950

HOW TO ORDER

9016XBC-3F

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

MECHANICAL DIAGRAM



Esatcom Inc
Norsat authorized distributor

Tel
718.276.0800

Email
sales@esatcom.com

