



Norsat
International Inc.

Innovative Communication Solutions

LNB

KA DUAL-BAND PLL

9000H-3

SPECIFICATIONS

Noise figure	1.3dB typ., 1.6dB max. at room temp. @ CF
L.O. stability	±25 KHz, ±50 KHz
Phase noise (SSB) max	-60 dBc/Hz at 100Hz -70 dBc/Hz at 1kHz -80 dBc/Hz at 10kHz -90 dBc/Hz at 100 kHz
Input VSWR	Band AE & BE: 2.5 : 1 Band B & C: 2.2 : 1
Output VSWR	Band AE & BE: 2.2 : 1 Band B & C: 2.0 : 1
Conversion gain	58 dB typ., 55dB min., 65 dB max.
Gain flatness	Band AE & BE: 5 dB p-p over full band Band B & C: 4 dB p-p over full band
Output P1dB	5 dBm
Image rejection	40 dBc min



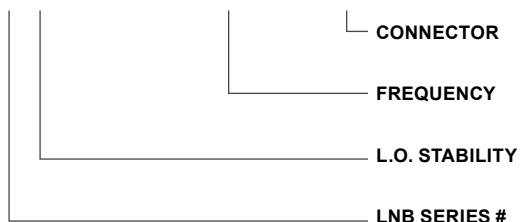
DC Power	+ 12V to + 19V DC
Band 1	13 V
Band 2	18 V
DC current	350 mA
Waveguide Flange	WR-42
Output connector	N:50 Ω, F: 75 Ω
Spurious	
In band	-60 dBc
Out band	-50 dBc
Dimensions (L x W x H)	133 mm x 70 mm x 39 mm
Weight	500 g
Operating Temperature	-40 to + 60°C

FREQUENCY BANDS AVAILABLE

	AE	BE	B	C
Frequency band (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	18.0	18.25	19.25
IF frequency (MHz)	950 to 2200	950 to 2200	950 to 1950	950 to 1950

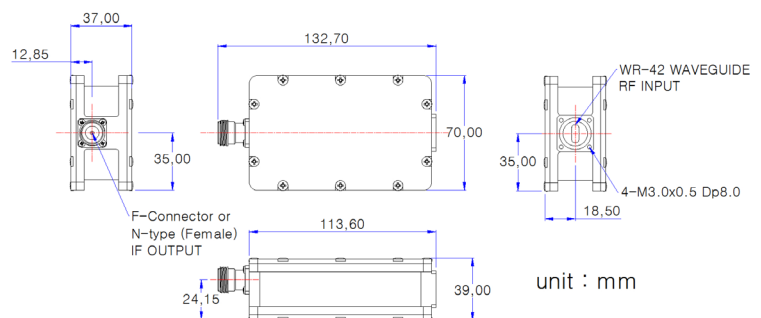
HOW TO ORDER

9200HBC-3F



F - 75 Ohm
N - 50 Ohm
AEB - AE & BE
BC - B&C
2: ±25 kHz
5: ±50 kHz

MECHANICAL DIAGRAM



Norsat
International Inc.

CE
sales@norsat.com
www.norsat.com