



9200HAEB-3F

9000H-3 Dual-Band Ka-Band PLL LNB

L.O Stability: 2: ± 25 kHz

Frequency: AEB: AE & BE

Output Connector: F: 75 Ohm



KEY SPECIFICATIONS

Band	Ka-Band
Input Frequency Band 1	17.70 - 18.95 GHz
Input Frequency Band 2	18.95 - 20.20 GHz
LO Frequency 1	16.75 GHz
LO Frequency 2	18.00 GHz
LO Stability	± 25 kHz
LO Type	PLL
Noise Figure Max	1.6 dB
Noise Figure Typ	1.3 dB
Number Of Onboard Los	Dual-Band
Output Frequency Band 1	950 - 2200 MHz
Output Frequency Band 2	950 - 2200 MHz

RF SPECIFICATIONS

Control Signal 1	13V / No Tone
Control Signal 2	18V / No Tone
Conversion Gain Max	65 dB
Conversion Gain Min	55 dB
Conversion Gain Typ	58 dB
Gain Flatness (over Full Band)	5 dB p-p
Image Rejection	40 dBc min.
Input VSWR	2.5 : 1 max.
Output P1db	5 dBm min.
Output VSWR	2.2 : 1 max.
Phase Noise 0.1khz Offset Max	-60 dBc/Hz
Phase Noise 100khz Offset Max	-90 dBc/Hz
Spurious	-60 dBc (in band) ; -50 dBc (out of band)

ELECTRICAL SPECIFICATIONS

Current Consumption	350 mA
Power Requirements	+12 to +19V DC

INTERFACE SPECIFICATIONS

IF Connector	F-Connector
RF Input Connector	WR-42 waveguide grooved

M and C SPECIFICATIONS

Led Indicators	None
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ENVIRONMENTAL SPECIFICATIONS

IP Rating	IP 67
Temperature Operational	-40°C to +60°C

PHYSICAL SPECIFICATIONS

Product Height	39 mm
Product Length	133 mm
Product Weight	0.5 kg
Product Width	70 mm

LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
8517690000	Made in the Republic of Korea	Richmond, BC, Canada	EAR99	190 x 100 x 70 mm

HOW TO ORDER



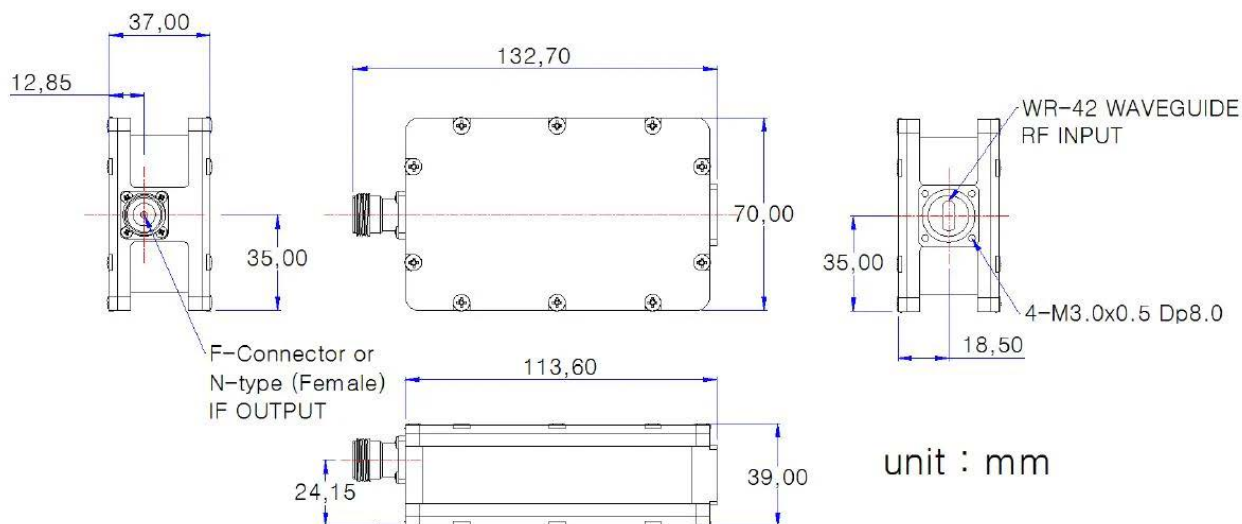
Norsat
International Inc.

Innovative Communication Solutions

9200HBC-3F

CONNECTOR	F - 75 Ohm N - 50 Ohm
FREQUENCY	AEB - AE & BE BC - B&C
L.O. STABILITY	2: ± 25 kHz 5: ± 50 kHz
LNB SERIES #	

MECHANICAL DIAGRAMS



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