

9000XIABN

9000 Dual-Band Ka-Band Ext REF LNB

Frequency: AB: 18.2 - 19.2 | 19.2 - 20.2 GHz

W/G Isolator: Yes

Output Connector: N: 50 Ohm



KEY SPECIFICATIONS

Band	Ka-Band
External Ref Freq	10 MHz (sine-wave), - 5 to +5 dBm
Input Frequency Band 1	18.20 - 19.20 GHz
Input Frequency Band 2	19.20 - 20.20 GHz
LO Frequency 1	17.25 GHz
LO Frequency 2	18.25 GHz
LO Stability	Ext Ref
LO Type	EXT
Noise Figure Max	1.3 dB
Noise Figure Typ	1.6 dB
Number Of Onboard Los	Dual-Band
Output Frequency Band 1	950 - 1950 MHz
Output Frequency Band 2	950 - 1950 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	60 dB
Gain Flatness (over Full Band)	≤ 5 dB p-p max.
Input VSWR	2.5 : 1 max.
Output P1db	+ 5 dBm min.
Output VSWR	2.5 : 1 max.
Phase Noise 100khz Offset Max	Depends on External Reference

ELECTRICAL SPECIFICATIONS



Power Requirements

+12 to +24V DC

INTERFACE SPECIFICATIONS

IF Connector

N-Connector

Isolator

With Isolator

RF Input Connector

WR-42 waveguide grooved

ENVIRONMENTAL SPECIFICATIONS

Temperature Operational

-40°C to +60°C

Temperature Storage

-40 to +80°C

PHYSICAL SPECIFICATIONS

Product Height

45 mm

Product Length

120 mm

Product Weight

0.42 kg

Product Width

60 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	145 mm x 95 mm x 65 mm 0.48 kg

HOW TO ORDER

9200HIABN

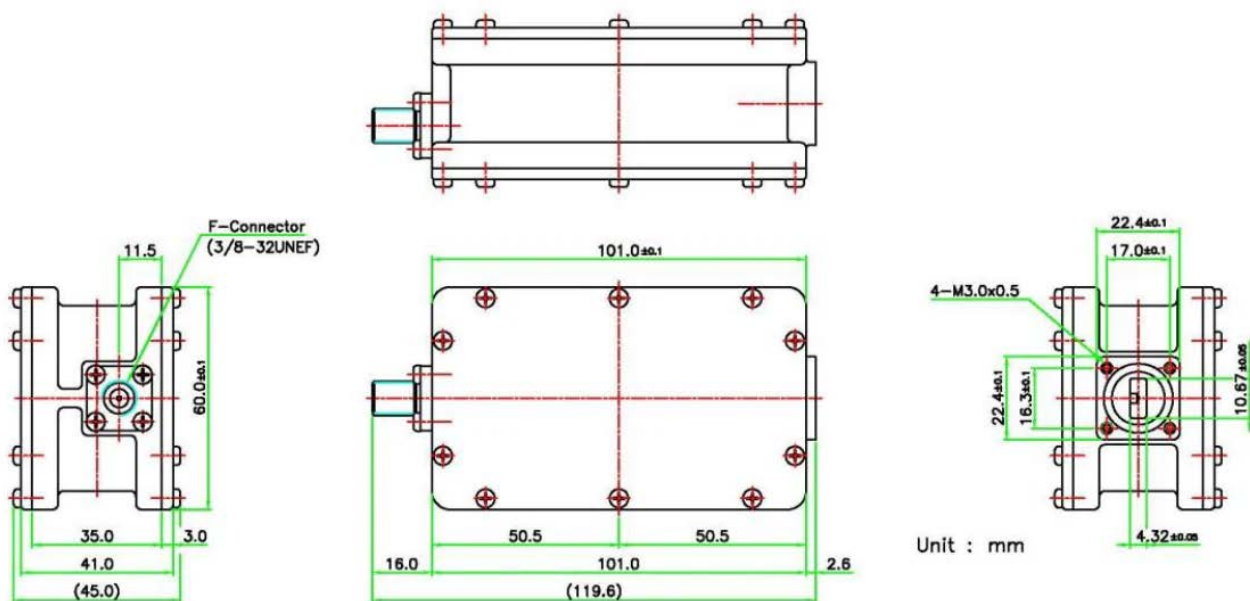
CONNECTOR	F: 75 Ohm N: 50 Ohm
FREQUENCY	AB: 18.2 - 19.2 GHz & 19.2 - 21.2 GHz BC: 19.2 - 20.2 GHz & 20.2 - 21.2 GHz CD: 20.2 - 21.2 GHz & 21.2 - 22.2 GHz
W/G ISOLATOR	BLANK: No isolator I: With Isolator
REFERENCE	H: Internal X: External
L.O. STABILITY	2: ± 25 kHz 5: ± 50 kHz 7: ± 70 kHz
LNB SERIES #	

MECHANICAL DIAGRAMS



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