

9500HIABN

9500 Dual-Band Ka-Band PLL 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
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	±50 kHz
LO Type	PLL
Noise Figure Max	1.6 dB
Noise Figure Typ	1.5 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
Input VSWR	1.5 : 1 max.
Output P1db	+ 5 dBm min.
Output VSWR	2.3 : 1 max.



Phase Noise 100kHz Offset Max

-95 dBc/Hz

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

IP Rating

IP 67

Temperature Operational

-40 to +60°C

Temperature Storage

-40 to +80°C

PHYSICAL SPECIFICATIONS

Product Height

45 mm

Product Length

144.3 mm

Product Weight

0.465 kg

Product Width

60 mm

LOGISTICS SPECIFICATIONS

HS Code

Country of Origin

Ex Works

ECCN Number

Unit Package

Made in Korea

Richmond, BC, Canada

EAR99

118 mm x 60 mm x 45 mm | 0.4 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

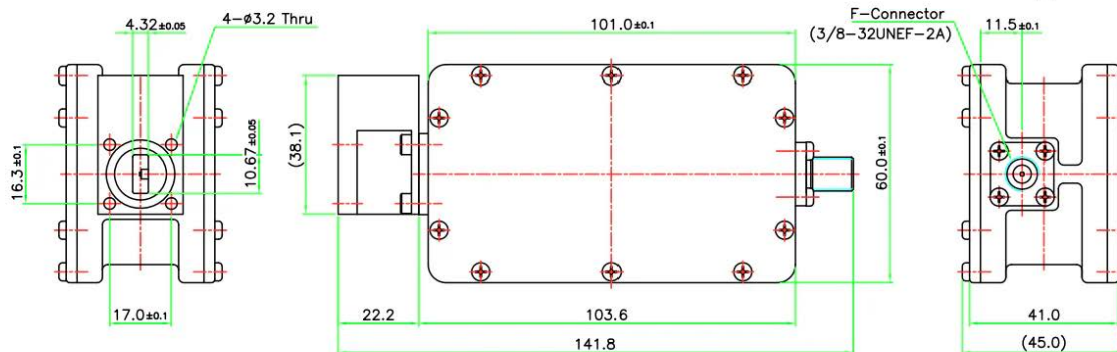


Unit : mm

(WR42) Waveguide Isolators

(Connector Option) N-Connector
(5/8-24UNEF)

F-Connector
(3/8-32UNEF-2A)



Email
sales@esatcom.com