

Innovative Communication Solutions

9500HEF-4

9500 Single-Band Ka-Band PLL LNB

Frequency: E: 17.2-18.2 GHz

W/G Isolator: No Connector: F-75 Ohm



KEY SPECIFICATIONS

 Band
 Ka-Band

 Input Frequency Band 1
 17.20 - 18.20 GHz

 LO Frequency 1
 16.25 GHz

 LO Stability
 ±50 kHz

 LO Type
 PLL

Noise Figure Max1.3 dBNoise Figure Typ1.6 dBOf Onboard LosSingle-band

Output Frequency Band 1 950 - 1950 MHz

RF SPECIFICATIONS

 Conversion Gain Max
 65 dB

 Conversion Gain Min
 55 dB

 Conversion Gain Typ
 60 dB

 Output P1db
 + 5 dBm min.

 Output VSWR
 2.0 : 1 max.

 Phase Noise 100khz Offset Max
 -95 dBc/Hz

 Phase Noise 10khz Offset Max
 -80 dBc/Hz

Phase Noise 1khz Offset Max

-70 dBc/Hz

ELECTRICAL SPECIFICATIONS

Power Requirements +12 to +24V DC

INTERFACE SPECIFICATIONS

Isolator No Isolator

RF Input Connector WR-42 waveguide grooved





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ENVIRONMENTAL SPECIFICATIONS

Temperature Operational $-40 \text{ to } +60 ^{\circ}\text{C}$ Temperature Storage $-40 \text{ to } +80 ^{\circ}\text{C}$

PHYSICAL SPECIFICATIONS

Product Dimensions (LxWxH) 120 x 60 x 45 mm

Product Weight 420 g (14.82 oz)

LOGISTICS SPECIFICATIONS

HS Code Country of Origin Ex Works ECCN Number Unit Package

8517690000 Made in Korea Korea EAR99 145 x 95 x 65 mm | 480g

HOW TO ORDER

9200HIAN-4 CONNECTOR F: 75 Ohm N: 50 Ohm FREQUENCY A: 18.2 - 19.2 GHz B: 19.2 - 20.2 GHz C: 20.2 - 21.2 GHz **D**: 21.2 - 22.2 GHz E: 17.2 - 18.2 GHz W/G ISOLATOR BLANK: No isolator H: Internal REFERENCE X: External L.O. STABILITY 2: ± 25 kHz

LNB SERIES #

5: ± 50 kHz

MECHANICAL DIAGRAMS



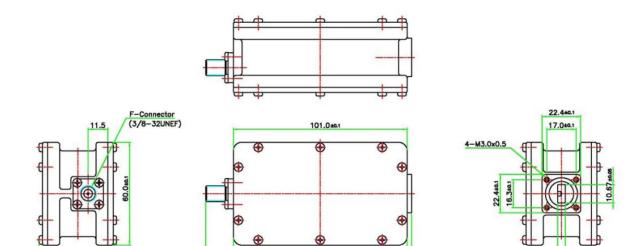


41.0

(45.0)

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Unit: mm



101.0

(119.6)

16.0