

Innovative Communication Solutions

9500HDF-4

9500 Single-Band Ka-Band PLL LNB

Frequency: D: 21.2-22.2 GHz

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



KEY SPECIFICATIONS

Band Ka-Band Input Frequency Band 1 21.20 - 22.20 GHz LO Frequency 1 20.25 GHz LO Stability ±50 kHz LO Type PLL Noise Figure Max 1.5 dB Noise Figure Typ 1.8 dB Of Onboard Los Single-band

950 - 1950 MHz

RF SPECIFICATIONS

Output Frequency Band 1

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



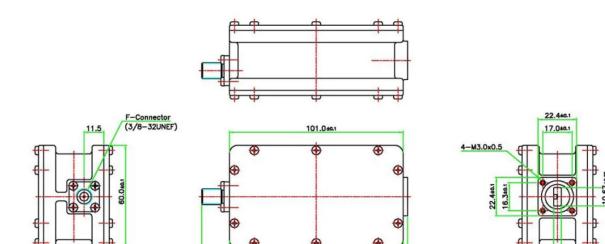


41.0

(45.0)

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Unit: mm



101.0

(119.6)

16.0