

9200HIDF-4

9200 Single Band Ka-Band PLL LNB

Frequency: D: 21.2 - 22.2 GHz

W/G Isolator: Yes

Output 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 | ±25 kHz |
| LO Type | PLL |
| Noise Figure Max | 1.6 dB |
| Noise Figure Typ | 1.5 dB |
| Number Of Onboard Los | Single-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 |
| Input VSWR | 1.5 : 1 max. |
| Output P1db | + 5 dBm min. |
| Output VSWR | 2.5 : 1 max. |
| Phase Noise 1khz Offset Max | -70 dBc/Hz |
| Phase Noise 10khz Offset Max | -80 dBc/Hz |
| Phase Noise 100khz Offset Max | -95 dBc/Hz |

ELECTRICAL SPECIFICATIONS

| | |
|---------------------|----------------|
| Current Consumption | 400 mA |
| Power Requirements | +12 to +24V DC |

INTERFACE SPECIFICATIONS

| | |
|--------------|--------------------------|
| IF Connector | F-Connector (waterproof) |
| Isolator | With Isolator |



RF Input Connector

WR-42 waveguide grooved (waterproof)

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

9200HIAN-4

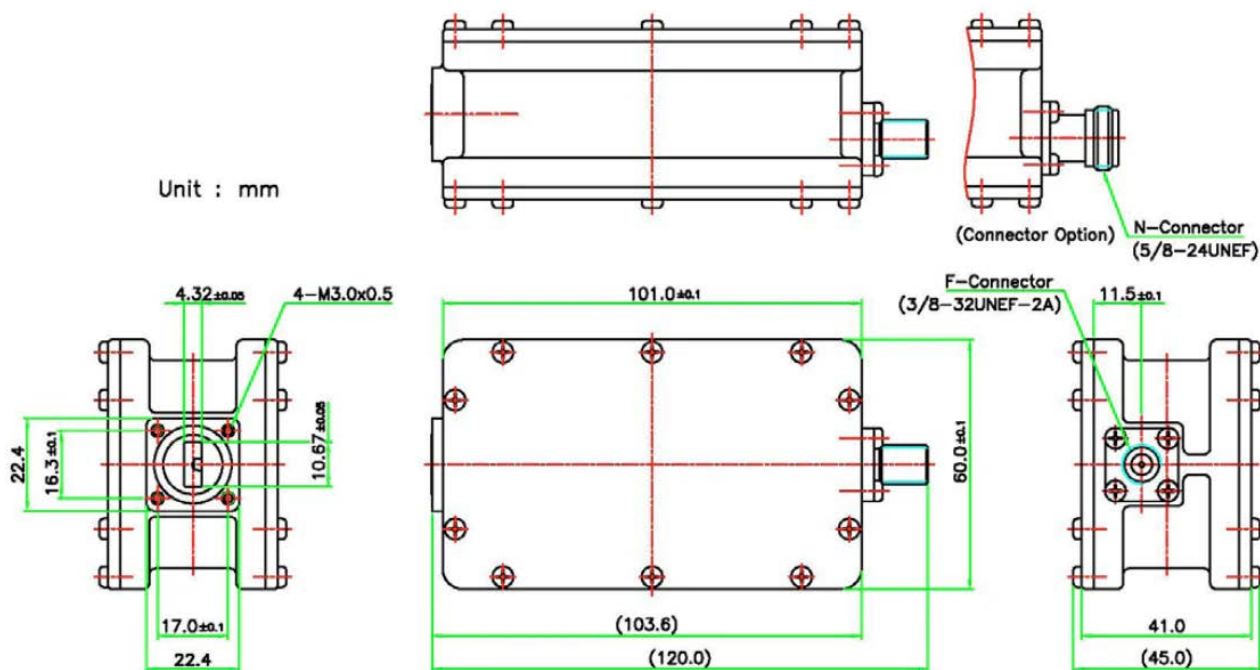
| | |
|----------------|--|
| CONNECTOR | F: 75 Ohm N: 50 Ohm |
| FREQUENCY | A: 18.2 - 19.2 GHz B: 19.2 - 20.2 GHz C: 20.2 - 21.2 GHz D: 21.2 - 22.2 GHz E: 17.2 - 18.2 GHz |
| W/G ISOLATOR | BLANK: No isolator I: With Isolator |
| REFERENCE | H: Internal X: External |
| L.O. STABILITY | 2: ± 25 kHz 5: ± 50 kHz |
| LNB SERIES # | |

MECHANICAL DIAGRAMS



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