

HS1059BN

1000 Ku-Band Single Band PLL LNB

L.O Stability: ± 5 kHz

Noise Figure: 0.9 dB

Output Connector: N: 50 Ohm



KEY SPECIFICATIONS

| | |
|-------------------------|-------------------|
| Band | Ku-Band |
| Input Frequency Band 1 | 12.25 - 12.75 GHz |
| LO Frequency 1 | 11.30 GHz |
| LO Stability | ± 5 kHz |
| LO Type | PLL |
| Noise Figure Max | 1.0 dB |
| Noise Figure Typ | 0.9 dB |
| Number Of Onboard Los | Single-Band |
| Output Frequency Band 1 | 950 - 1450 MHz |

RF SPECIFICATIONS

| | |
|--------------------------------|-----------------|
| 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 | 2.5 : 1 max. |
| Output P1db | + 4 dBm min. |
| Output VSWR | 2.2 : 1 max. |
| Phase Noise 100khz Offset Max | -90 dBc/Hz |

ELECTRICAL SPECIFICATIONS

| | |
|---------------------|----------------|
| Current Consumption | 300 mA max. |
| Power Requirements | +12 to +24V DC |

INTERFACE SPECIFICATIONS

| | |
|--------------------|-------------------------|
| IF Connector | N-Connector |
| RF Input Connector | WR-75 waveguide grooved |

M and C SPECIFICATIONS



Led Indicators

None

ENVIRONMENTAL SPECIFICATIONS

Temperature Operational

-40 to +60°C

Temperature Storage

-40 to +60°C

PHYSICAL SPECIFICATIONS

Product Height

42 mm

Product Length

110 mm

Product Weight

0.3 kg

Product Width

42 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

140 x 50 x 50 mm |

HOW TO ORDER

HS1048AF

CONNECTOR

F - 75 Ohm
N - 50 Ohm

FREQUENCY

A: 11.70 - 12.20 GHz
B: 12.25 - 12.75 GHz
C: 10.95 - 11.70 GHz

NOISE FIGURE

7 - 0.7 dB
8 - 0.8 dB
9 - 0.9 dB

L.O. STABILITY

2: ± 2 kHz
3: ± 3 kHz
4: ± 4 kHz
5: ± 5 kHz

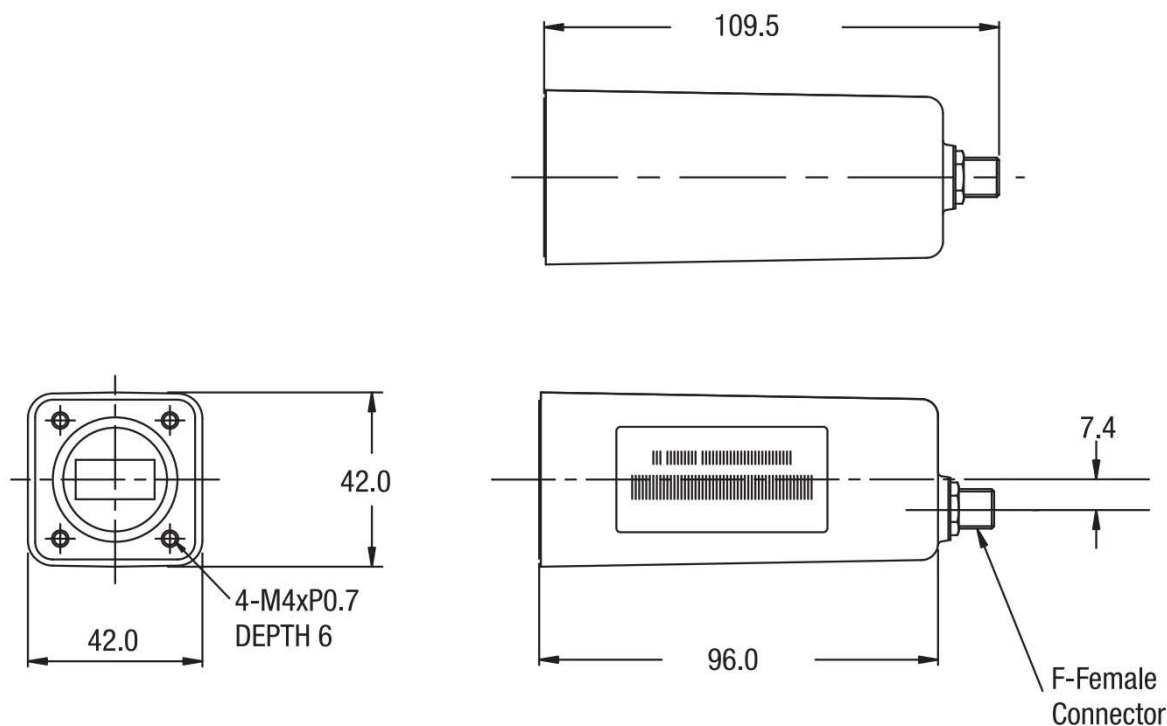
LNB SERIES #

MECHANICAL DIAGRAMS



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3628 Francis Lewis Blvd.

Flushing, NY 11358

www.esatcom.com

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