



HS1049CF

1000 Ku-Band Single Band PLL LNB

L.O Stability: ± 4 kHz

Noise Figure: 0.9 dB

Output Connector: F: 75 Ohm



KEY SPECIFICATIONS

| | |
|-------------------------|-------------------|
| Band | Ku-Band |
| Input Frequency Band 1 | 10.95 - 11.70 GHz |
| LO Frequency 1 | 10.00 GHz |
| LO Stability | ± 4 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 - 1700 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 | F-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

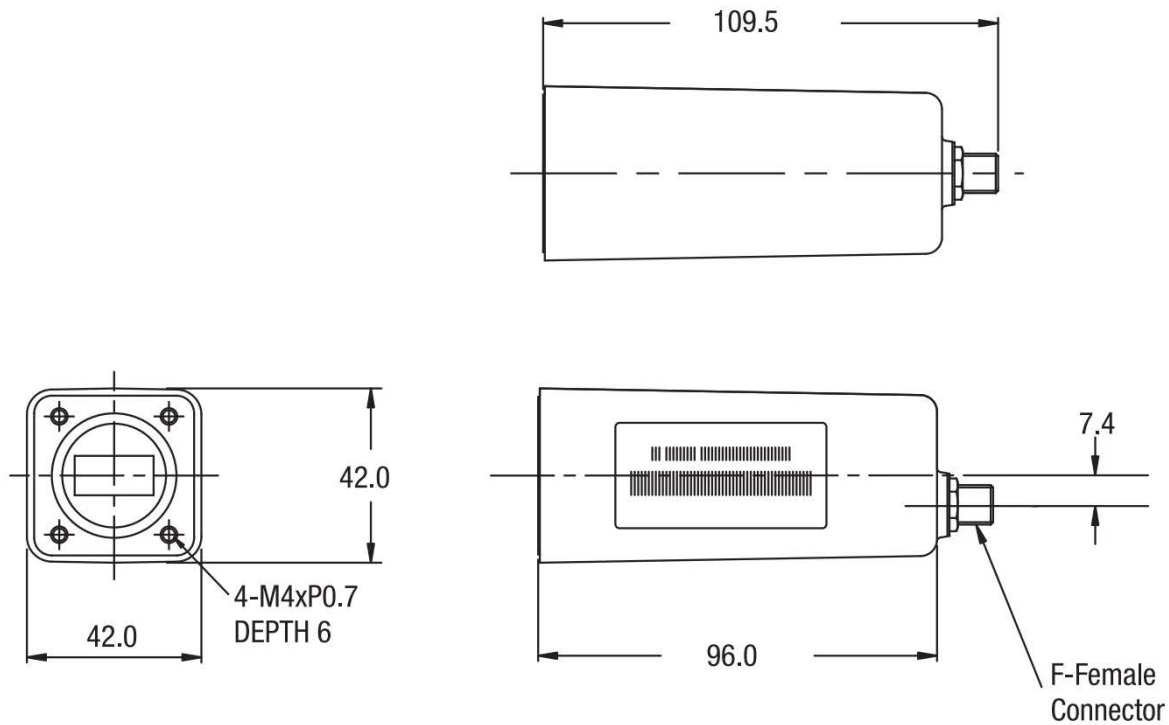
| | |
|----------------|--|
| CONNECTOR | F - 75 Ohm N - 50 Ohm |
| FREQUENCY | A: 11.70 - 12.20 GHz B: 12.25 - 12.75 GHz C: 10.95 - 11.70 GHz |
| NOISE FIGURE | 7 - 0.7 dB 8 - 0.8 dB 9 - 0.9 dB |
| L.O. STABILITY | 2: ± 2 kHz 3: ± 3 kHz 4: ± 4 kHz 5: ± 5 kHz |
| LNB SERIES # | |

MECHANICAL DIAGRAMS



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Norsat authorized distributor

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