

Innovative Communication Solutions

4107BN

4000B Ku-Band Single Band PLL LNB

L.O Stability: 1: ±150 kHz Noise Figure: 0.7 dB

Output Connector: N: 50 Ohm









KEY SPECIFICATIONS

Ku-Band Band

12.25 - 12.75 GHz Input Frequency Band 1

LO Frequency 1 11.30 GHz ±150 kHz LO Stability

LO Type PLL

Noise Figure Max 0.8 dB **Noise Figure Typ** 0.7 dB

Number Of Onboard Los Single-Band

950 - 1450 MHz Output Frequency Band 1

RF SPECIFICATIONS

Conversion Gain Typ

Output VSWR

70 dB **Conversion Gain Max**

55 dB **Conversion Gain Min**

Gain Flatness (over Full Band) \leq 4 dB p-p max.

60 dB

2.5:1 max.

2.5 : 1 max. Input VSWR

+ 2 dBm min. Output P1db

-70 dBc/Hz Phase Noise 1khz Offset Max -80 dBc/Hz Phase Noise 10khz Offset Max

Phase Noise 100khz Offset Max -90 dBc/Hz

ELECTRICAL SPECIFICATIONS

Current Consumption 300 mA max.

Power Requirements +15 to +24V DC

INTERFACE SPECIFICATIONS





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IF Connector N-Connector

RF Input Connector WR-75 waveguide grooved

ENVIRONMENTAL SPECIFICATIONS

IP Rating IP 67

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

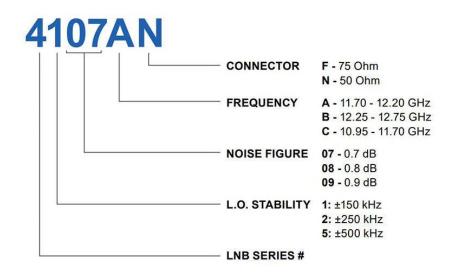
PHYSICAL SPECIFICATIONS

Product Height43 mmProduct Length85 mmProduct Weight0.2 kgProduct Width43 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	110 x 55 x 50 mm 0.2 kg

HOW TO ORDER

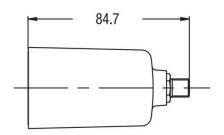


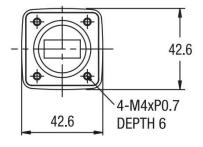
MECHANICAL DIAGRAMS

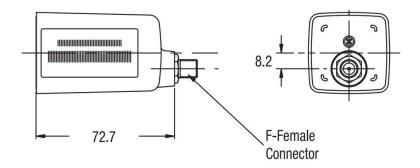




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Norsat authorized distributor

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