

Innovative Communication Solutions

4107BF

4000B Ku-Band Single-Band PLL LNB

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

Output Connector: F: 75 Ohm









KEY SPECIFICATIONS

Band Ku-Band

Input Frequency Band 1 12.25 - 12.75 GHz

 LO Frequency 1
 11.30 GHz

 LO Stability
 ±150 kHz

LO Type PLL

Noise Figure Max 0.8 dB
Noise Figure Typ 0.7 dB

Number Of Onboard Los Single-Band

Output Frequency Band 1 950 - 1450 MHz

RF SPECIFICATIONS

Conversion Gain Typ

Conversion Gain Max 70 dB

Conversion Gain Min 55 dB

Gain Flatness (over Full Band) $\leq 4 \text{ dB p-p max}.$

60 dB

Input VSWR 2.5 : 1 max.

Output P1db + 2 dBm min.

Output VSWR2.5 : 1 max.Phase Noise 1khz Offset Max-70 dBc/Hz

Phase Noise 10khz Offset Max -80 dBc/Hz

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 F-Connector

RF Input Connector WR-75 waveguide grooved

ENVIRONMENTAL SPECIFICATIONS

IP Rating IP 67

Temperature Operational -40 to +60°C
Temperature Storage -40 to +80°C

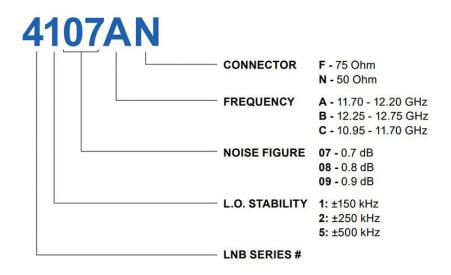
PHYSICAL SPECIFICATIONS

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 Korea	Richmond, BC, Canada	EAR99	110 mm x 55 mm x 50 mm 0.2 kg

HOW TO ORDER



MECHANICAL DIAGRAMS





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