Norsat International Inc.

Innovative Communication Solutions

4209BN

4000B Ku-Band Single Band PLL LNB

L.O Stability: 2: ±250 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	±250 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	70 dB
Conversion Gain Min	55 dB
Conversion Gain Typ	60 dB
Gain Flatness (over Full Band)	≤ 4 dB p-p max.
Input VSWR	2.5 : 1 max.
Output P1db	+ 2 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	-90 dBc/Hz

ELECTRICAL SPECIFICATIONS

Current Consumption	300 mA max.
Power Requirements	+15 to +24V DC

INTERFACE SPECIFICATIONS

© Copyright Norsat International Inc. All Rights Reserved. Specifications are subject to change without notice. Final product may not be as illustrated. The information contained herein does not constitute part of any order or contract.

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

ENVIRONMENTAL SPECIFICATIONS

IP Rating	IP 67
Temperature Operational	-40°C to +60°C
Temperature Storage	-40 to +80°C

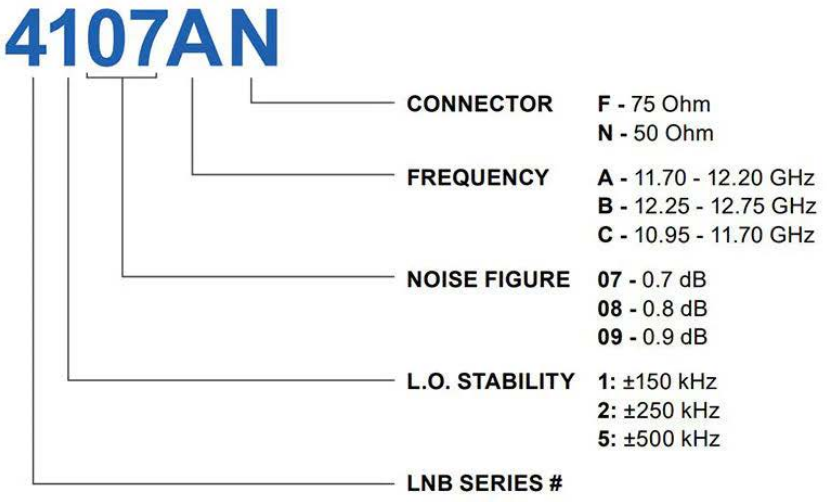
PHYSICAL SPECIFICATIONS

Product Height	43 mm
Product Length	85 mm
Product Weight	0.2 kg
Product Width	43 mm

LOGISTICS SPECIFICATIONS

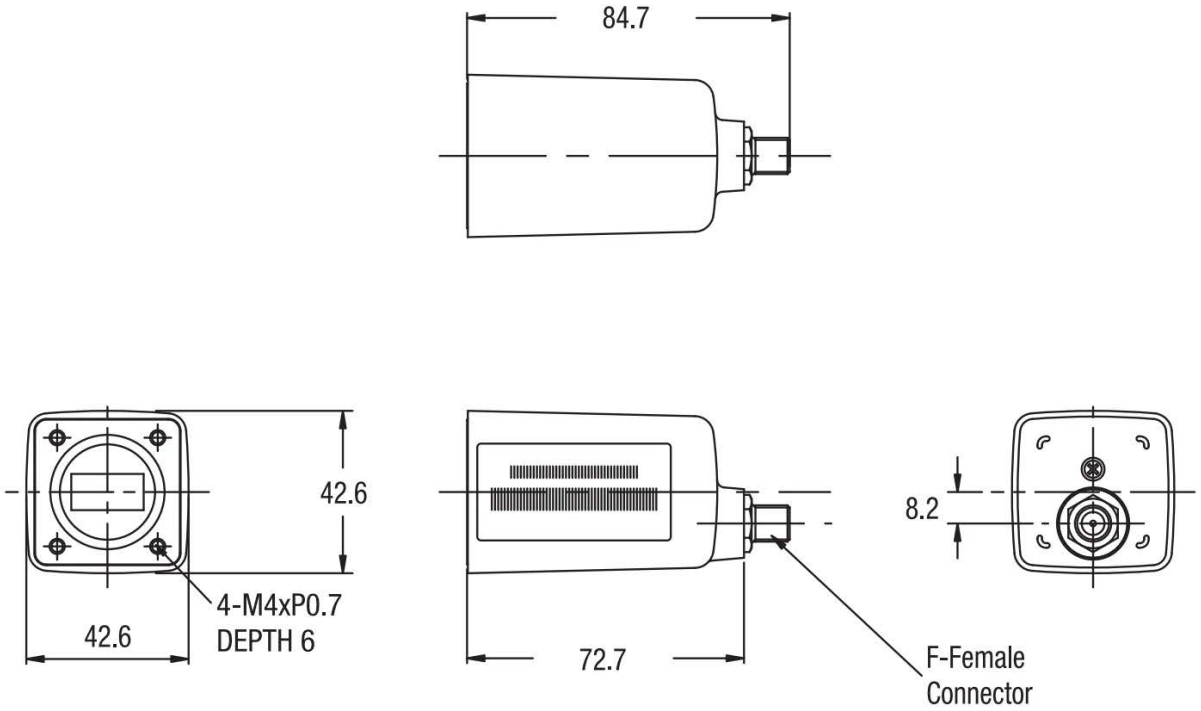
HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
8517690000	Made in the Republic of Korea	Richmond, BC, Canada	EAR99	110 x 55 x 50 mm | 0.2 kg

HOW TO ORDER



MECHANICAL DIAGRAMS

© Copyright Norsat International Inc. All Rights Reserved. Specifications are subject to change without notice. Final product may not be as illustrated. The information contained herein does not constitute part of any order or contract.



Norsat International Inc.
ESATCOM INC
Norsat authorized distributor
Esatcom Inc.
3628 Francis Lewis Blvd.
Flushing, NY 11358
www.esatcom.com
Tel: 718.799.0084
Email: sales@esatcom.com

© Copyright Norsat International Inc. All Rights Reserved. Specifications are subject to change without notice. Final product may not be as illustrated. The information contained herein does not constitute part of any order or contract.