

9000XBCN

9000 Dual-Band Ka-Band Ext REF LNB

Frequency: BC: 19.2 - 20.2 | 20.2 - 21.2 GHz

W/G Isolator: No

Output Connector: N: 50 Ohm



KEY SPECIFICATIONS

Band	Ka-Band
External Ref Freq	10 MHz (sine-wave), - 5 to +5 dBm
Input Frequency Band 1	19.20 - 20.20 GHz
Input Frequency Band 2	20.20 - 21.20 GHz
LO Frequency 1	18.25 GHz
LO Frequency 2	19.25 GHz
LO Stability	Ext Ref
LO Type	EXT
Noise Figure Max	1.6 dB
Noise Figure Typ	1.3 dB
Number Of Onboard Los	Dual-Band
Output Frequency Band 1	950 - 1950 MHz
Output Frequency Band 2	950 - 1950 MHz

RF SPECIFICATIONS

Control Signal 1	13V / No Tone
Control Signal 2	18V / No Tone
Conversion Gain Max	65 dB
Conversion Gain Min	55 dB
Conversion Gain Typ	60 dB
Gain Flatness (over Full Band)	≤ 5 dB p-p max.
Input VSWR	2.5 : 1 max.
Output P1db	+ 5 dBm min.
Output VSWR	2.5 : 1 max.
Phase Noise 100khz Offset Max	Depends on External Reference

ELECTRICAL SPECIFICATIONS



Current Consumption	400 mA
Power Requirements	+12 to +24V DC

INTERFACE SPECIFICATIONS

IF Connector	N-Connector
Isolator	No Isolator
RF Input Connector	WR-42 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	45 mm
Product Length	120 mm
Product Weight	0.42 kg
Product Width	60 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	145 x 95 x 65 mm 0.48 kg

HOW TO ORDER

9200HIABN

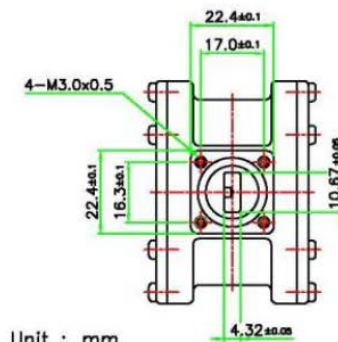
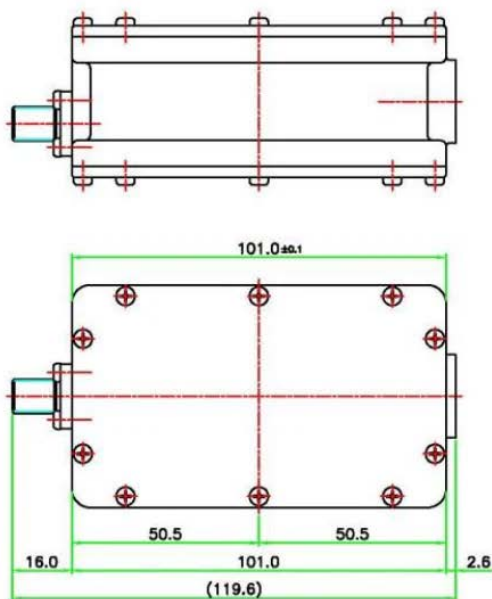
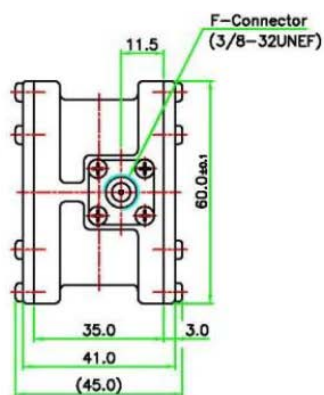
CONNECTOR	F: 75 Ohm N: 50 Ohm
FREQUENCY	AB: 18.2 - 19.2 GHz & 19.2 - 21.2 GHz BC: 19.2 - 20.2 GHz & 20.2 - 21.2 GHz CD: 20.2 - 21.2 GHz & 21.2 - 22.2 GHz
W/G ISOLATOR	BLANK: No isolator I: With Isolator
REFERENCE	H: Internal X: External
L.O. STABILITY	2: ± 25 kHz 5: ± 50 kHz 7: ± 70 kHz
LNB SERIES #	

MECHANICAL DIAGRAMS



Norsat
International Inc.

Innovative Communication Solutions



Unit : mm



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