

9000SHDDIN

9000 Ka-Simultaneous Dual Band PLL LNB

Frequency Bands: 20.2 - 21.2 GHz & 21.2 - 22.2 GHz

W/G Isolator: Yes

Power Connector: N Connector



KEY SPECIFICATIONS

Band	Ka-Band
Input Frequency Band 1	20.20 - 21.20 GHz
Input Frequency Band 2	21.20 - 22.20 GHz
LO Frequency 1	19.25 GHz
LO Frequency 2	20.25 GHz
LO Stability	±10 kHz
Noise Figure Typ	1.7 dB
Output Frequency Band 1	950 - 1950 MHz
W/g Isolator	Yes

RF SPECIFICATIONS

Conversion Gain Max	65 dB
Conversion Gain Min	55dB
Conversion Gain Typ	60 dB
Gain Flatness (over Any 36mhz)	1 dB p-p
Gain Flatness (over Full Band)	4 dB p-p
Image Rejection	40 dBc min.
Input VSWR	1.5 : 1 max.
Output P1db	5 dBm min.
Output VSWR	2.2 : 1 max.
Phase Noise 100hz Offset Max	-65 dBc/Hz
Phase Noise 100khz Offset Max	-95 dBc/Hz



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Phase Noise 10khz Offset Max -80 dBc/Hz

Phase Noise 1khz Offset Max -70 dBc/Hz

ELECTRICAL SPECIFICATIONS

IF Connector N Connector

Power Requirements +12 to +24V DC

INTERFACE SPECIFICATIONS

RF Input Connector WR 42

ENVIRONMENTAL SPECIFICATIONS

IP Rating IP 67

Temperature Operational -40 to +60°C

PHYSICAL SPECIFICATIONS

Product Dimensions (LxWxH) 38.4 x 78.4 x 159.2 mm

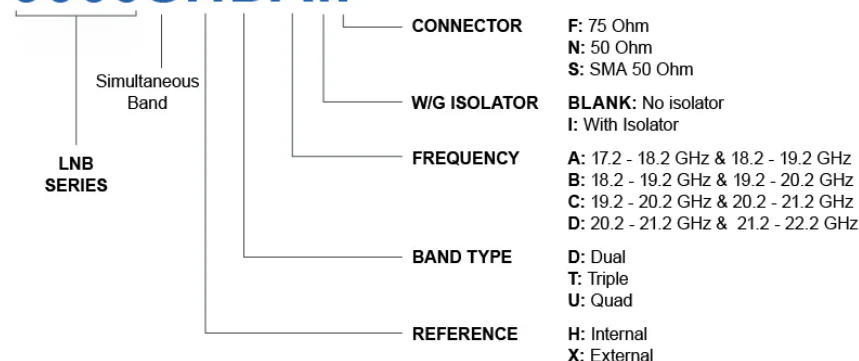
Product Weight 750 g

LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
8517690000	Made in Korea	Korea	EAR99	160 x 80 x 40 mm 750 g

HOW TO ORDER

9000SHDAIF



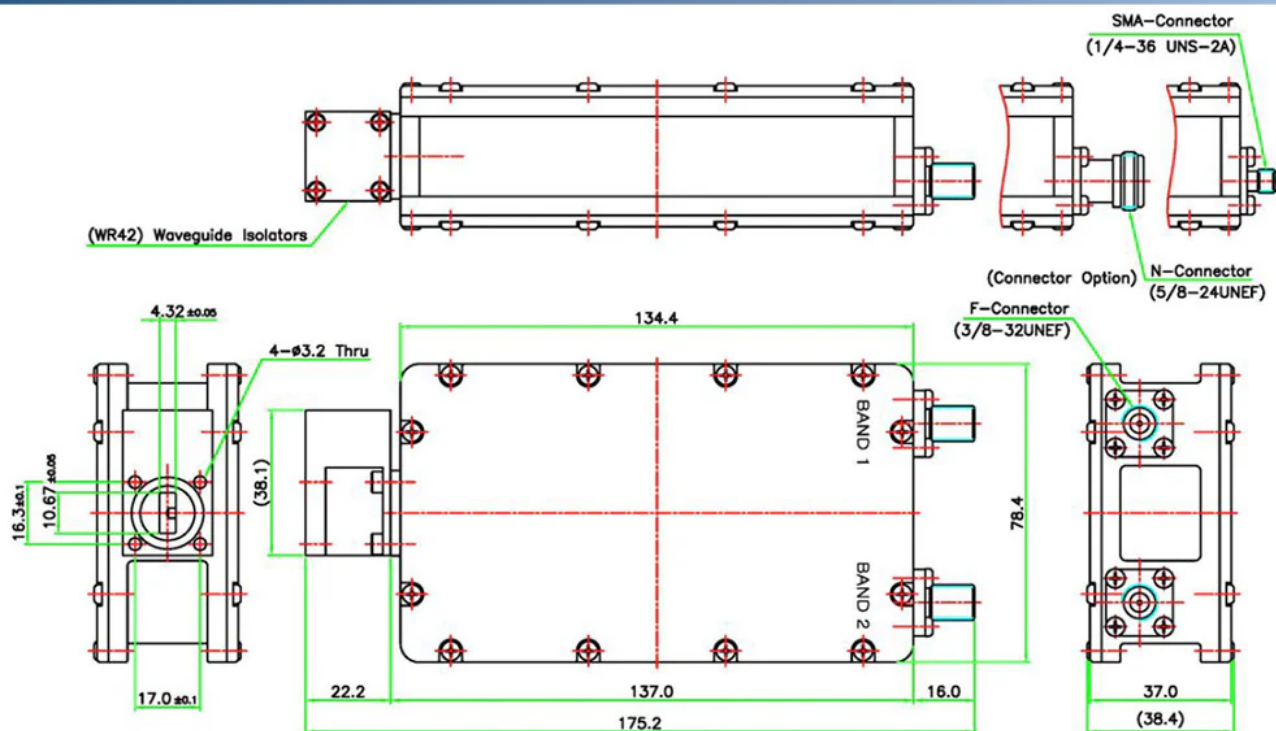
MECHANICAL DIAGRAMS





Norsat
International Inc.

Innovative Communication Solutions



Esatcom Inc
Norsat authorized distributor
www.esatcom.com

Tel
718.276.0800

Email
sales@esatcom.com

