

9500HTBCDF

9000 Ka-Band Triple Band LNB

L.O Stability: 5: ± 50 kHz

Frequency: BCD: 19.20 - 22.20 GHz

Output Connector: F: 75 Ohm



KEY SPECIFICATIONS

Band	Ka-Band
Input Frequency Band 1	19.20 - 20.20 GHz
Input Frequency Band 2	20.20 - 21.20 GHz
Input Frequency Band 3	21.20 - 22.20 GHz
LO Frequency 1	18.25 GHz
LO Frequency 2	19.25 GHz
LO Frequency 3	20.25 GHz
LO Stability	± 50 kHz
LO Type	PLL
Noise Figure Max	1.8 dB
Noise Figure Typ	1.5 dB
Number Of Onboard Los	Triple-Band
Output Frequency Band 1	950 - 1950 MHz
Output Frequency Band 2	950 - 1950 MHz
Output Frequency Band 3	950 - 1950 MHz

RF SPECIFICATIONS

Control Signal 1	13V / No Tone
Control Signal 2	18V / No Tone
Control Signal 3	18V / 22kHz 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	3.5 : 1 max.
Output P1db	+ 3 dBm min.
Output VSWR	2.5 : 1 max.



Phase Noise 100kHz Offset Max

-95 dBc/Hz

ELECTRICAL SPECIFICATIONS

Current Consumption

450 mA

Power Requirements

+12 to +24V DC

INTERFACE SPECIFICATIONS

IF Connector

F-Connector

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 | 0.46
kg

HOW TO ORDER

9200HTABCN

CONNECTOR

F - 75 Ohm

N - 50 Ohm

FREQUENCY

ABC

BCD

INTERNAL REFERENCE

L.O. STABILITY

2: ±25kHz

5: ±50 kHz

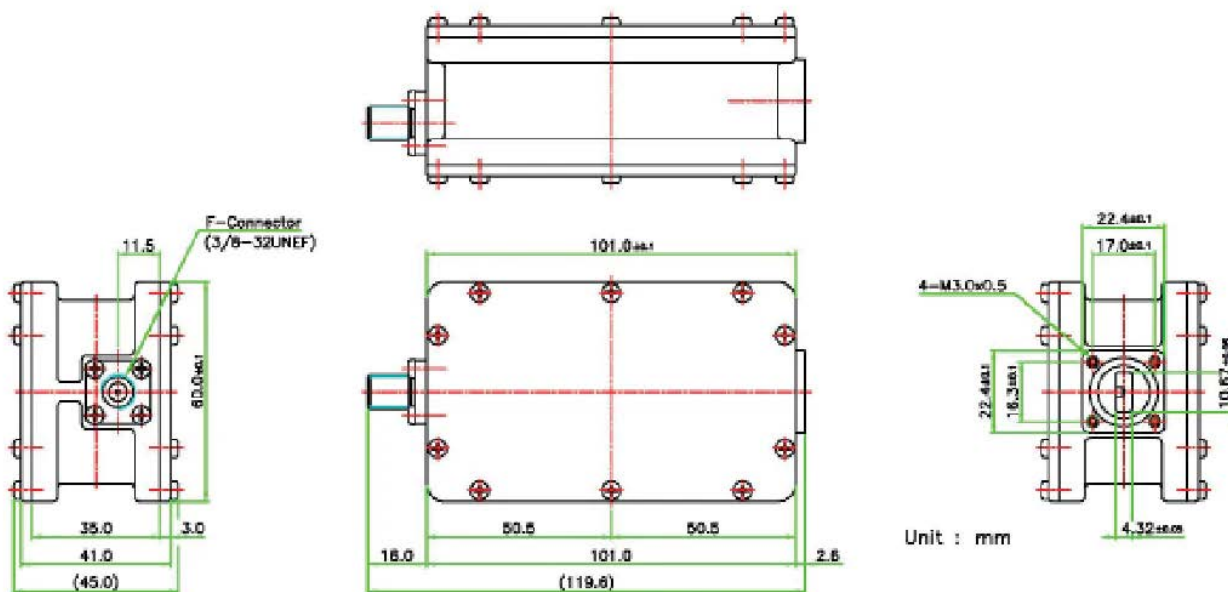
LNB SERIES #

MECHANICAL DIAGRAMS



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