

9700HIBCN

9700 Dual-Band Ka-Band PLL LNB

Frequency: 19.2 - 20.2 & 20.2 - 21.2 GHz

W/G Isolator: Yes

Connector: N: 50 Ohm



KEY SPECIFICATIONS

Band	Ka-Band
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	±70 kHz
LO Type	PLL
Noise Figure Max	1.3 dB
Noise Figure Typ	1.6 dB
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
Input VSWR	2.5 : 1 max.
Output P1db	+ 5 dBm min.



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Output VSWR	2.5 : 1 max.
Phase Noise 100khz Offset Max	-95 dBc/Hz
Phase Noise 10khz Offset Max	-78 dBc/Hz
Phase Noise 1khz Offset Max	-70 dBc/Hz

ELECTRICAL SPECIFICATIONS

Power Requirements	+12 to +24V DC
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INTERFACE SPECIFICATIONS

RF Input Connector	WR-42 waveguide grooved
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ENVIRONMENTAL SPECIFICATIONS

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

PHYSICAL SPECIFICATIONS

Product Dimensions (LxWxH)	120 x 60 x 45 mm
Product Weight	420 g (14.82 oz)

LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
8517690000	Made in Korea	Korea	EAR99	N/A N/A

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 #	

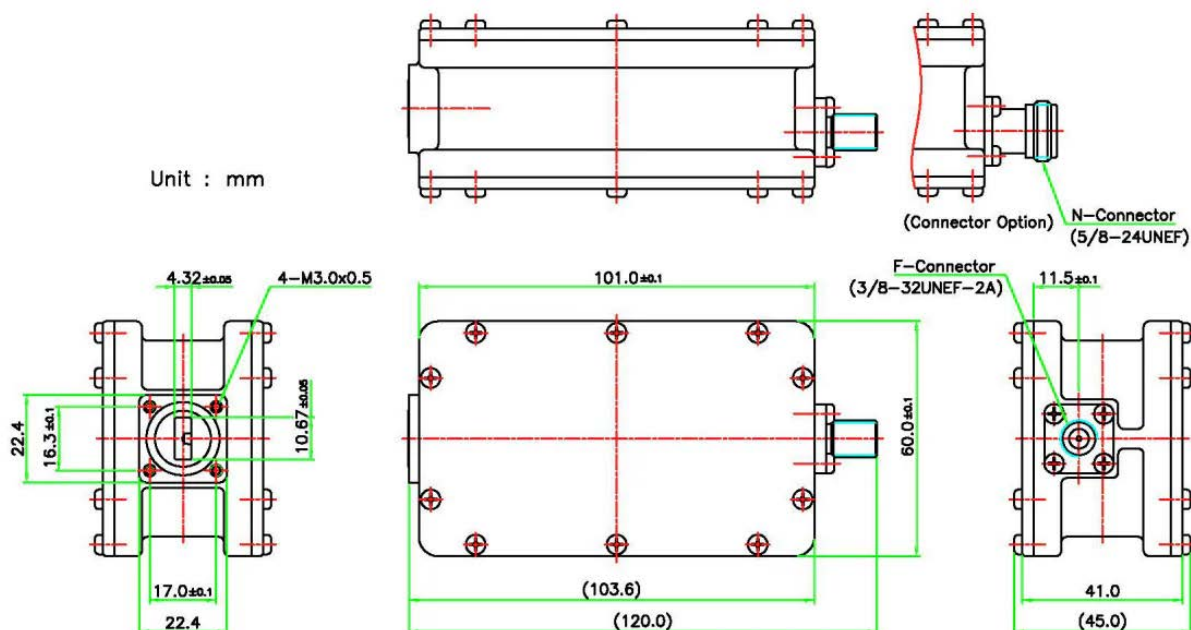
MECHANICAL DIAGRAMS





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