

9000XTBCDN

9000XT Ka-Band Triple Band EXT REF LNB

Frequency: BCD: 19.20 - 22.20 GHz

Output Connector: N: 50 Ohm

Norsat's Low Noise Blocks (LNBs) provide signal reception for satellite communications around the world. We offer premium performance and reliability in the smallest form factor possible. All of our standard Ka-Band LNBs are backed by a 3 year warranty and nearly forty years of experience as the industry's leading provider of high performance LNBs. 9000XT Series.



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
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	Ext Ref
LO Type	EXT
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	13V / 22kHz Tone
Conversion Gain Max	65 dB
Conversion Gain Min	55 dB
Conversion Gain Typ	58 dB



Innovative Communication Solutions

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	Depends on External Reference

ELECTRICAL SPECIFICATIONS

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

INTERFACE SPECIFICATIONS

IF Connector	N-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

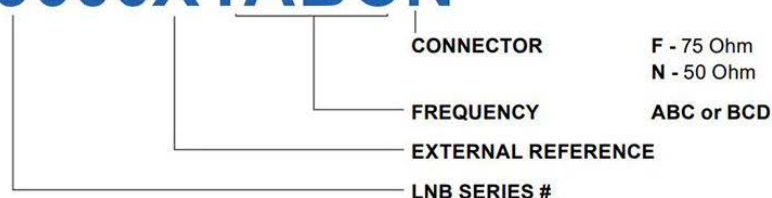
Product Height	45 mm
Product Length	120 mm
Product Weight	0.42 kg
Product Width	60 mm

LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
8517690000	Made in the Republic of Korea	Richmond, BC, Canada	EAR99	190 x 115 x 77 mm 0.46 kg

HOW TO ORDER

9000XTABCN

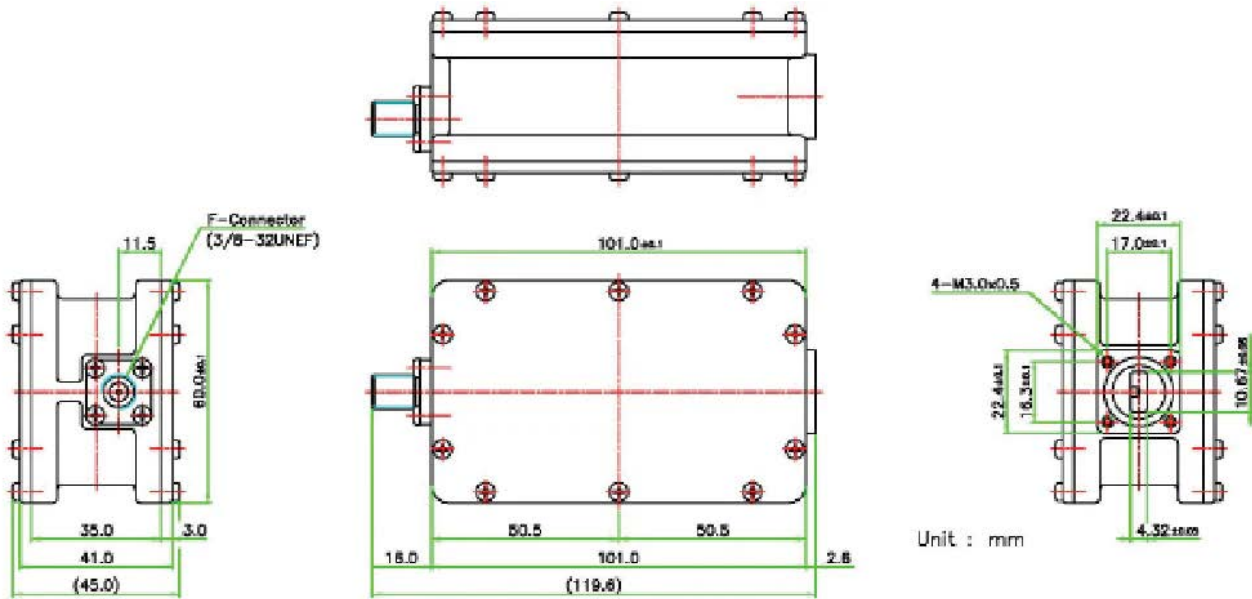


MECHANICAL DIAGRAMS



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