

LNB KA-BAND QUAD BAND EXT REF 9000X4

SPECIFICATIONS

Noise Figure	2.0 dB max. at room temp. @ CF		
L.O. Stability	Phase Locked to External Reference		
Phase Noise (SSB) max.	Depends on External Reference		
Input VSWR	3.5 : 1 max no isolator 1.3 : 1 max with isolator		
Output VSWR	2.0 : 1 max.		
Gain	62 dB typ., 58 dB min., 65 dB max.		
Gain Flatness (over full band)	≤ 4 dB p-p		
Output P1dB	+ 10 dBm min.		

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+ 12V to + 24V DC



DC Power

		(See below for Band Select)		
Tone: Frequency Amplitude Voltage Duty Cycle		22 kHz ± 4 kHz 0.6 ± 0.2 V 50% ± 10%		
Current		350 mA max.		
Input (waterproof)		WR-42 waveguide grooved		
Output (wate	rproof)	F-Connector (75 Ohm) N-Connector (50 Ohm)		
Dimensions (L xW x H)		134 mm x 67 mm x 37 mm (5.28 in x 2.6 in x 1.5 in) - no isolator 156 mm x 67 mm x 37 mm (6.1 in x 2.6 in x 1.5 in) - with isolator		
Weight		550 g (19.40 oz)		
Operating Temperature		- 40 to + 60°C		
Storage Temperature		- 40 to + 80°C		
External Ref Freq		10 MHz (sine-wave), -5 to +5 dBm		

FREQUENCY BANDS

Model		Band 1 (13V)	Band 2 (13V / 22 kHz Tone)	Band 3 (18V)	Band 4 (18V / 22 kHz Tone)
EC F	Frequency Band (GHz)	17.20 - 18.20	18.20 - 19.20	19.20 - 20.20	20.20 - 21.20
L	L.O. Frequency (GHz)	16.25	17.25	18.25	19.25
I	F Frequency (MHz)	950 - 1950	950 - 1950	950 - 1950	950 - 1950
AD F	Frequency Band (GHz)	18.20 - 19.20	19.20 - 20.20	20.20 - 21.20	21.20 - 22.20
L	L.O. Frequency (GHz)	17.25	18.25	19.25	20.25
I	F Frequency (MHz)	950 - 1950	950 - 1950	950 - 1950	950 - 1950

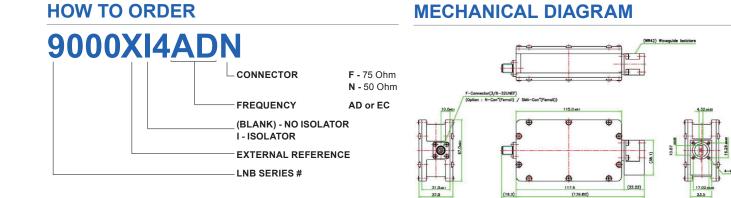




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(155.82)

UNIT : mm



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3.0x0.5 Dp5.22