

Atron Co.,Ltd. C-Band PLL LNB

B300
B300X

Internal reference
External reference

Model No. & Frequency (Customized frequency available)

Model No.	Input Freq. (GHz)	Output Freq. (MHz)	L.O Freq. (GHz)
B315(X)	3.625 - 4.2	950 - 1525	5.15

Technical Specifications

Parameter	Specification	Parameter	Specification
Noise temperature	15°K typ. 30°K max.	Ext. input freq. & power	10 MHz, -5 to +5 dBm
Conversion gain	63 dB typ. (59 dB min. 70 dB max.)	Ext. input port	IF output connector
Gain flatness	4 dBp-p max.	Input VSWR	2.5: 1 max.
Gain ripple at per 36MHz	1 dBp-p max.	Output VSWR	2.5: 1 max.
L.O stability	Internal: ± 5 , 10, 25 KHz max. External : depends on ext. ref.	Input waveguide flange	CPR 229G (with groove)
Image rejection	40 dBc min.	Output connector	F or N-type female
Phase noise	-73 dBc/Hz at 1KHz -83 dBc/Hz at 10KHz -95 dBc/Hz at 100KHz	Power supply	+12 to +24V DC
Output P1dB	+5 dBm min.	Required current	250 mA max.
		Operating temperature	-40 to +60°C
		Waterproof	IP 67
		Dimension	98.8 x 70.0 x 164.5 mm
		Weight	575 g

How to modeling

B3 15 X F 25

LO Stability ----- **05**: ± 5 KHz, **10**: ± 10 KHz, **25**: ± 25 KHz max.
 Connector ----- **F**: F-type female, **N**: N-type female
 10MHz Reference ----- Blank: Internal, **X**: External reference
 Frequency Bands ----- Refer to the above Model No.
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Mechanical Diagram

