

Ku Band 5300 Series PLL LNB



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Part Number	Input Frequency	Output Frequency	Output Conn.
5300AF 5300AN	11.70 to 12.20 GHz	950 to 1450 MHz	F, 75Ω (f) N, 50Ω (f)
5300BF 5300BN	12.25 to 12.75 GHz	950 to 1450 MHz	F, 75Ω (f) N, 50Ω (f)
5300CF 5300CN	10.95 to 11.70 GHz	950 to 1700 MHz	F, 75Ω (f) N, 50Ω (f)

*SMA output connectors also available

Specifications

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Noise Figure:	0.6 dB typ @+25°C	Input Conn:	WR-75, 'O' ring
LO Frequency Stability:	±5 kHz over temperature range	Output Interface:	F-Type, 75 ohm or N-Type, 50 ohm
LO Phase Noise:	-80 dBc/Hz @ 1 kHz	Input Voltage:	+12 to +24 VDC
Gain:	60 dB minimum	Current:	200 mA
Gain Ripple:	<1 dB p-p max per 36 MHz segment	Size:	125 x 60 x 23 mm 4.9 x 2.4 x 0.9 in
1dB Comp. point:	+10 dBm min.	Weight:	approx. 350g
MTBF:	>270,000 hours	Temp Range:	-40°C to +60°C
Input VSWR:	2.2:1 max.	Relative Humidity:	Up to 100% frost & condensation
Output VSWR:	1.5:1 max. @ 75Ω		

David Zuvic, 1-604-856-0305
dzuvic@orbitalresearch.net

Doug Macdonald, 1-647-992-1210
doug.macdonald@orbitalresearch.net

