

## Ku Band 5400X Series External Reference LNB



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Part Number	Input Frequency	Output Frequency	Output Conn.
5400XAF 5400XAN	11.70 to 12.20 GHz 11.70 to 12.20 GHz	950 to 1450 MHz 950 to 1450 MHz	F, 75Ω (f) N, 50Ω (f)
5400XBF 5400XBN	12.25 to 12.75 GHz 12.25 to 12.75 GHz	950 to 1450 MHz 950 to 1450 MHz	F, 75Ω (f) N, 50Ω (f)
5400XCF 5400XCN	10.95 to 11.70 GHz 10.95 to 11.70 GHz	950 to 1750 MHz 950 to 1750 MHz	F, 75Ω (f) N, 50Ω (f)

\*SMA output connectors also available

### Specifications

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<b>Noise Figure:</b>	0.6dB, typ @+25°C	<b>Input Conn:</b>	WR-75, 'O' ring
<b>LO Frequency Stability:</b>	Zero drift - phase locked to ext ref	<b>Output Interface:</b>	F-Type, 75Ω, or N-Type, 50Ω
<b>LO Phase Noise:</b>	Ref. dependent	<b>10 MHz Level:</b>	-8 dBm to 0 dBm
<b>Gain:</b>	60 dB minimum	<b>Input Voltage:</b>	+12 to +24 VDC
<b>Gain Ripple:</b>	<1 dB p-p max per 36 MHz segment	<b>Size:</b>	125 x 60 x 23 mm 4.9 x 2.4 x 0.9 in
<b>Image Rejection:</b>	>45 dBc max.	<b>Current:</b>	220 mA
<b>1dB Comp. point:</b>	+10 dBm min.	<b>Weight:</b>	approx. 350g
<b>MTBF:</b>	>175,000 hours	<b>Temp Range:</b>	-40°C to +60°C
<b>Input VSWR:</b>	2.2:1	<b>Relative Humidity:</b>	Up to 100% frost & condensation
<b>Output VSWR:</b>	1.5:1 max @ 75Ω		

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