

# Ku Band 5400X Series External Reference LNB



Part Number	Input Frequency	Output Frequency	Output Conn.
LNB1075S-500X-WF60 LNB1075S-500X-WN60	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)
LNB1130S-500X-WF60 LNB1130S-500X-WN60	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)
LNB1000S-750X-WF60 LNB1000S-750X-WN60	10.95 to 11.70 GHz 10.95 to 11.70 GHz	950 to 1700 MHz 950 to 1700 MHz	F, 75Ω (f) N, 50Ω (f)

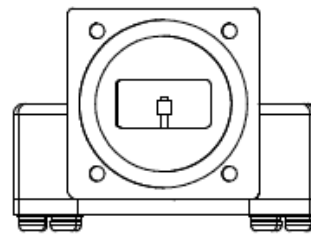
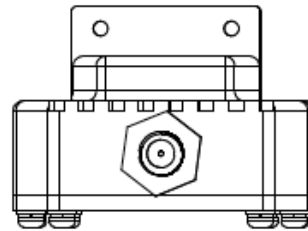
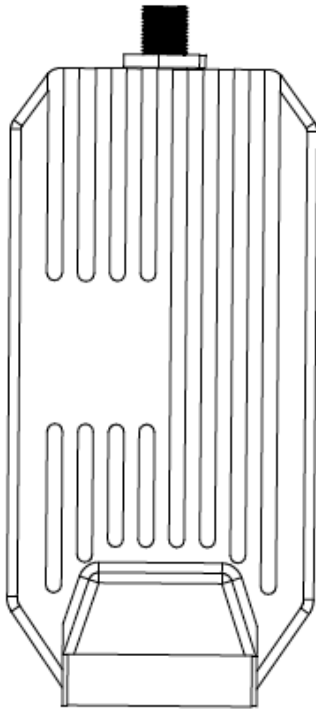
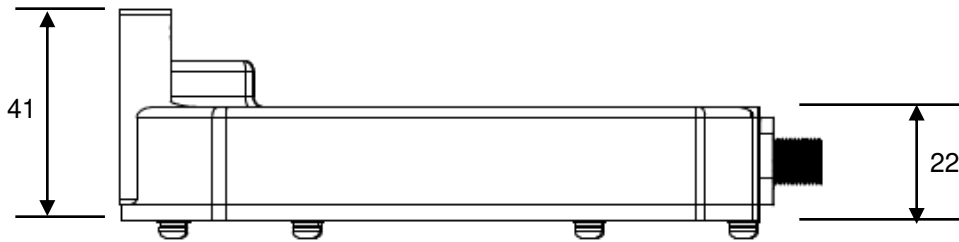
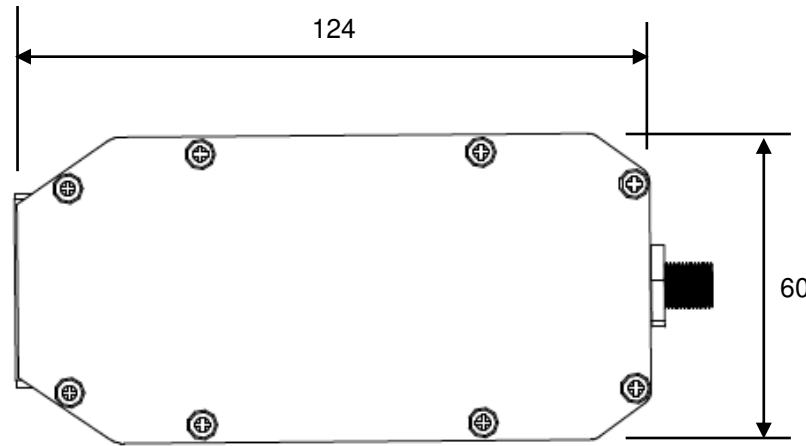
## Specifications

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<b>Noise Figure:</b>	0.7dB, 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 typical	<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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Mechanical  
Diagram



RoHS & REACH Compliant