

# C Band 3400X Series External Reference LNB



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Part Number	Input Frequency	Output Frequency	Output Conn
LNB515S-800X-WF60 LNB515S-800X-WN60	3.40 to 4.20 GHz 3.40 to 4.20 GHz	950 to 1750 MHz 950 to 1750 MHz	F 75Ω (f) N 50Ω (f)
LNB515S-575X-WF60 LNB515S-575X-WN60	3.625 to 4.20 GHz 3.625 to 4.20 GHz	950 to 1525 MHz 950 to 1525 MHz	F 75Ω (f) N 50Ω (f)
LNB515S-500X-WF60 LNB515S-500X-WN60	3.70 to 4.20 GHz 3.70 to 4.20 GHz	950 to 1450 MHz 950 to 1450 MHz	F 75Ω (f) N 50Ω (f)

\*SMA output connectors also available

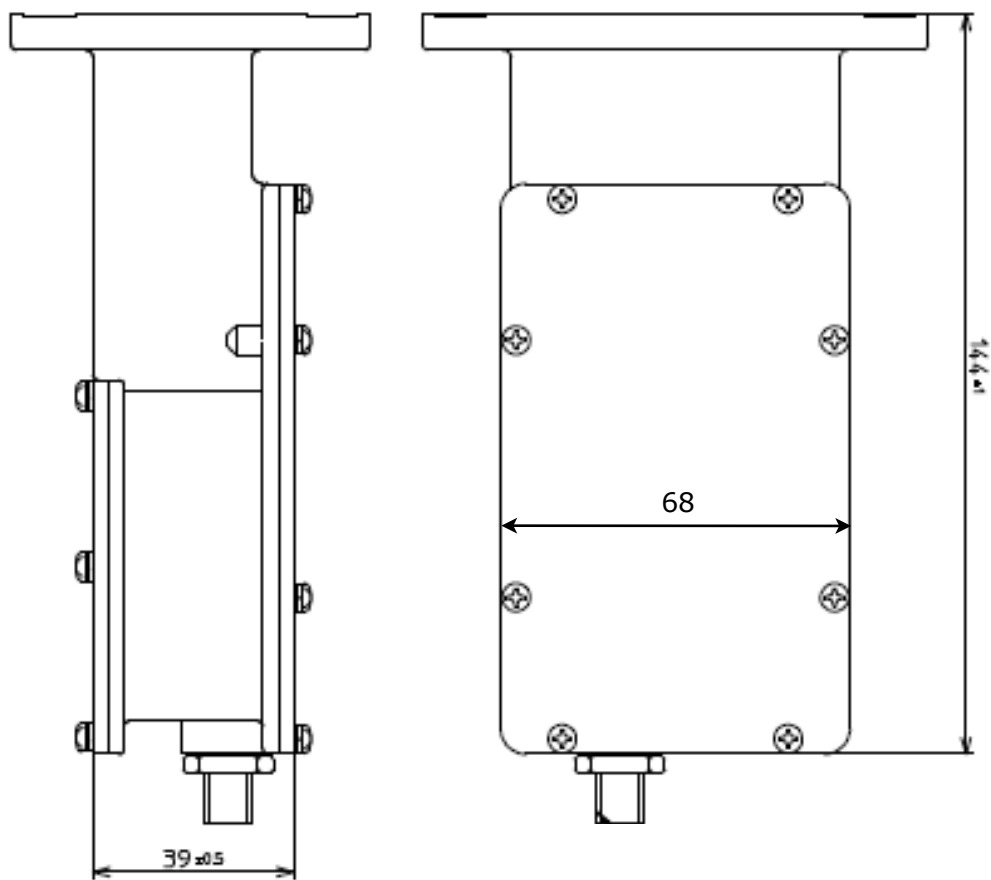
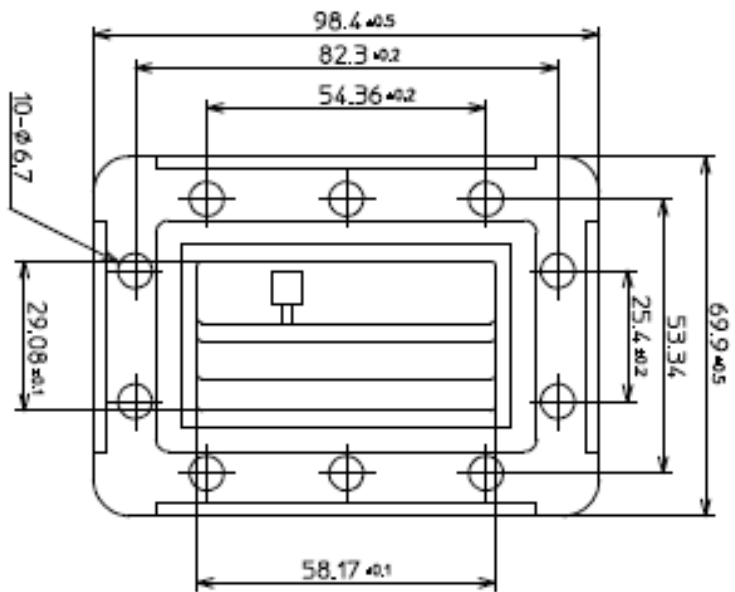
## Specifications

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<b>Noise Temp:</b>	25K (typ) @ +25°C	<b>Input Conn:</b>	WR-229G
<b>LO Frequency Stability:</b>	Zero drift - phase locked to ext ref	<b>Output Connector:</b>	F-Type, 75Ω or N-Type, 50Ω
<b>LO Phase Noise:</b>	Ref. dependent	<b>MTBF:</b>	>700,000 hours
<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>	144 x 68 x 39 mm 5.7 x 2.7 x 1.5 in
<b>Image Rejection:</b>	>45 dBc max.	<b>Current:</b>	300 mA max.
<b>1dB Comp. point:</b>	+10 dBm min.	<b>Weight:</b>	approx. 560g
<b>10 MHz Level:</b>	-8 dBm to 0 dBm	<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