

## High Dynamic Range 1-88 MHz Amplifier

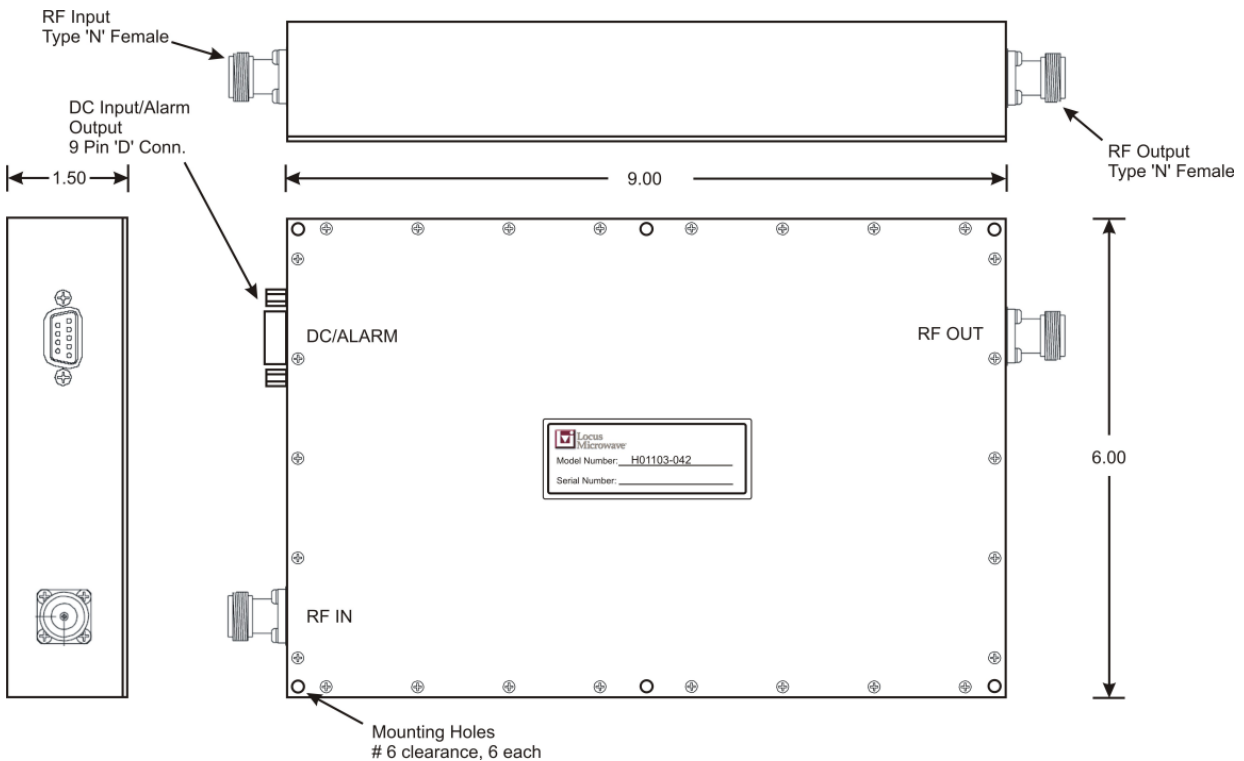
### General Information

Locus Microwave, Inc. High Dynamic Range HF Amplifiers utilize feedforward techniques to both minimize distortion and optimize noise performance. These techniques provide a combination of superior performance, reliability and cost effectiveness.

Specifications included are for a standard product. Please contact the factory for your custom/specific performance needs.



### Outline Drawing





	Range	Units	Notes
<b>Electrical Specifications</b>			
Frequency	1-88	MHz	
Gain	18 +/-1.0	dB	gain window
Gain Flatness	+/-1.0 max.	dB	per full band
P <sub>1dB</sub>	+42.0 min., 44.0 dBm typ.	dBm	ref. output
IIP <sub>2</sub>	+88 min., 92 typ.	dBm	
IIP <sub>3</sub>	+41 min., +43.0 typ.	dBm	
Noise Figure	5.9 max., 4.0 typ	dB	
VSWR			
Input	1.50:1 max.		
Output	1.50:1 max.		
Overdrive	30 max.	dBm	non-damaging
Power Requirement			
Input Voltage	+28 +/-0.25	vdc	
Current	5.0 nom.	A	
Fault Alarm	TTL compatible levels (‘0’ = fault)		current monitor
<b>Mechanical Specifications</b>			
Outline	9.0 x 6.0 x 1.5	in.	L X W X H
Weight	3.6	lbs.	nominal
Connectors			
RF Input	N	Female	
RF Output	N	Female	
Power & Fault Alarm	9 pin D		
<b>Environmental</b>			
Operating Baseplate Temperature <sup>1</sup>	0 to +50	°C	
Humidity		100%	without condensation

Notes:

1. Specifications guaranteed at 35°C nominal baseplate temperature.

Specifications are subject to change at the discretion of Locus Microwave, Inc.

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