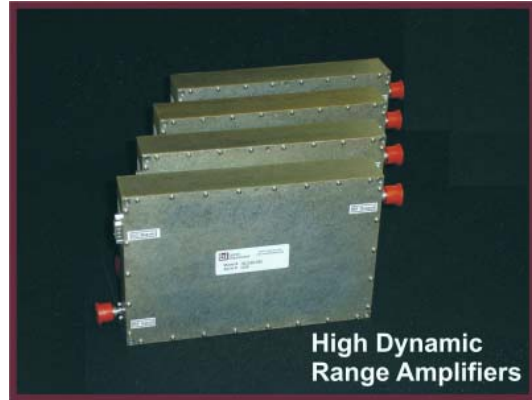


High Dynamic Range 2-32 MHz Amplifier

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.

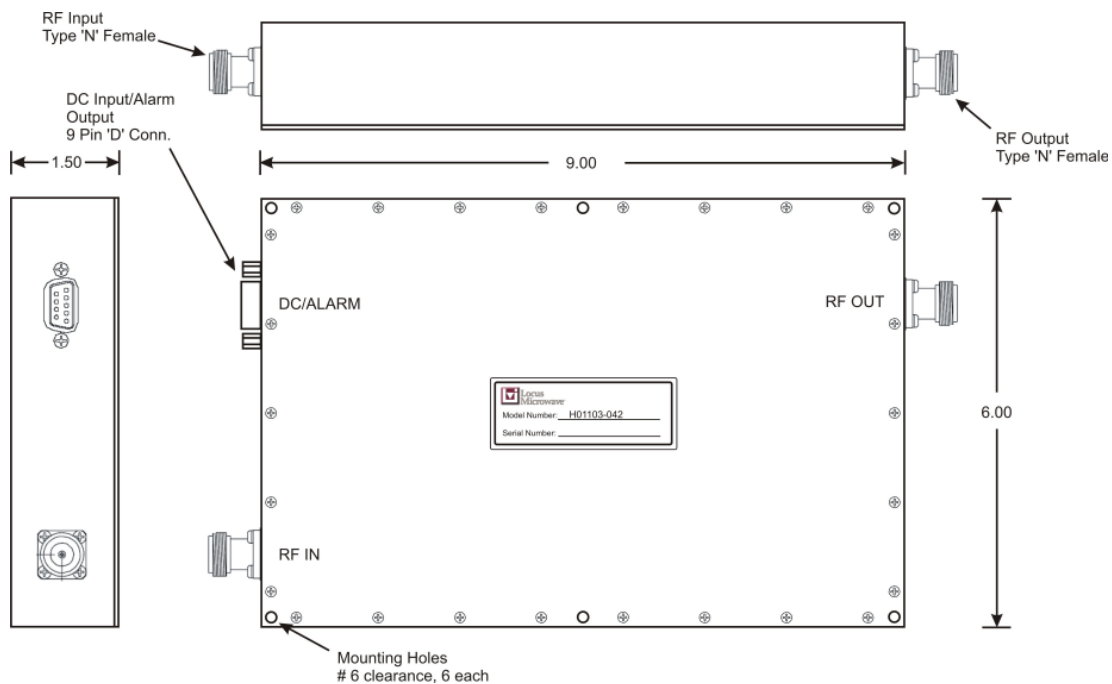
Specifications included are for a standard product. Please contact the factory for your custom/specific performance needs.



Options:

- 1-88 MHz coverage
- P1dB: 2-20 watts
- Gain: 10-20 dB
- Integral Multicoupler

Outline Drawing





High Dynamic Range HF Amplifier

Model: H01103-042

	Range	Units	Notes
Electrical Specifications			
Frequency	2-32	MHz	
Gain	18 +/-1.0	dB	gain window
Gain Flatness	+/-1.0 max.	dB	per full band
P _{1dB}	+42.0 min., 44.0 dBm typ.	dBm	ref. ouput
IIP ₂	+90 min., 95 typ.	dBm	
IIP ₃	+43 min., +46.0 typ.	dBm	
Noise Figure	5.5 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	4.8 typ.	A	
Fault Alarm	TTL compatible levels (‘0’ = fault)		current monitor
Mechanical Specifications			
Outline	9.0 x 6.0 x 1.5	in.	L X W X H
Weight	5.5	lbs.	nominal
Connectors			
RF Input	N	Female	
RF Output	N	Female	
Power & Fault Alarm	9 pin D		
Environmental			
Operating Baseplate Temperature ¹	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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