

CLNA Series

C-Band

High-Performance LNA

**CALIFORNIA
MICROWAVE****EF
DATA**

MAIN FEATURES

- All GaAs FET/HEMT Technology
- 150,000 Hours MTBF Minimum
- Low Loss Input Isolator
- Built-in Regulator
- Output Isolator
- Transient Protection
- +12 to +24 VDC Operation
- Pressurizable W/G Input
- Weather-proof Housing
- Low Cost
- 2-Year Warranty
- Available in Single/Redundant Configurations

INTRODUCTION

EFData is setting industry performance standards with the CLNA series of commercial quality low noise amplifiers.

These LNAs have been designed for state-of-the-art performance in satellite earth station receiver applications, where ultra low noise and high reliability are critical.

OPTIONS

- Special Gain Values
- Form C Summary Fault Output
- ± 0.5 dB Gain Slope/Full Band
- External SMA Bias
- Extended C-Band 3.4 to 4.2 GHz
- +20 dBm Output (1 dB Compression)
- Extended C-Band 4.5 to 4.8 GHz

SPECIFICATIONS

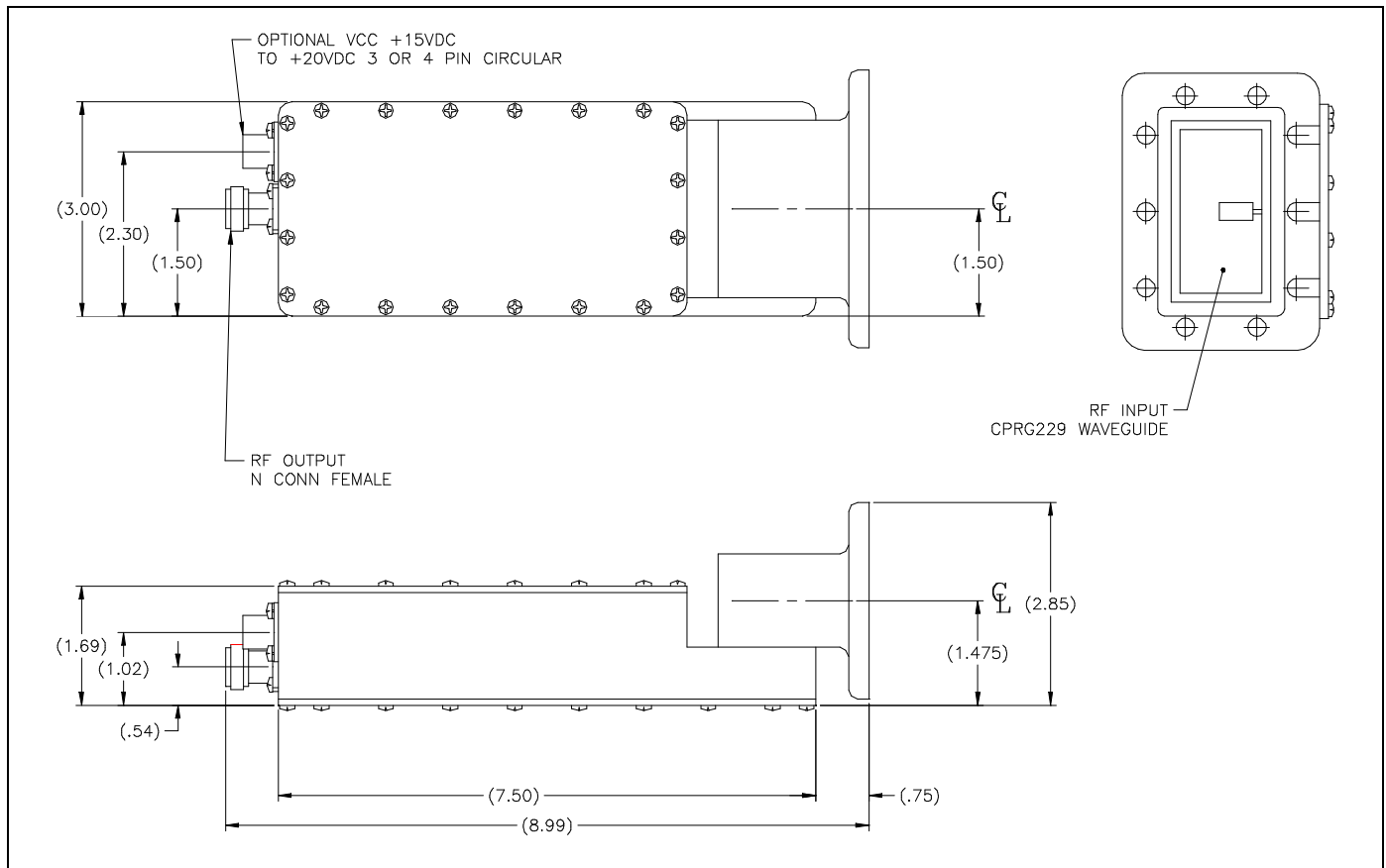
Frequency Range	3.625 to 4.200 GHz
Input VSWR	1.25:1 max.
Gain Flatness - Ripple	± 0.5 dB/full band ± 0.2 dB/40 MHz
Operating Temperature	-40°C to +60°C
1 dB Gain Compression Point	+10 dBm
Third Order Intercept Point	+20 dBm
Output VSWR	1.25:1
Group Delay:	
Linear	0.01 ns/MHz
Parabolic	0.001 ns/MHz ²
Ripple	0.1 ns/P-P
RF Input W/G	CPR229G
Input Power	+12 to +24 VDC at 100 mA nom.
AM-PM Conversion	0.5°/dB at -5 dBm

ORDERING INFORMATION

C-Band High-Performance LNA (.CA Prefix)

Noise Temp	Code	Gain	Code	Output Conn.	Code	Power	Code	Color	Code	Options	Code	Eng. Options	Code
35°K	035	50 dB	50	N	N	Thru Coax	0	Gray	G	None	0	None	0
38°K	038	55 dB	55			4-Pin	4	White	W	Alarm	A	3.4 to 4.2 GHz	1
40°K	040	60 dB	60			6-Pin	6	Green	A	Alarm & TRF	R	4.5 to 4.8 GHz	2
45°K	045	65 dB	65							± 0.5 dB Gain Slope	G	4.0 to 4.8 GHz	3
50°K	050									Alarm and ± 0.5 dB GS	B	+20 dBm	P
55°K	055									50 dB TRF	T		
60°K	060									70 dB TRF	U		
65°K	065												

CLNA SERIES DIMENSIONS



"Your Error Free Choice"



EFData products are manufactured under a
quality system certified to ISO 9001

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