

Specifications

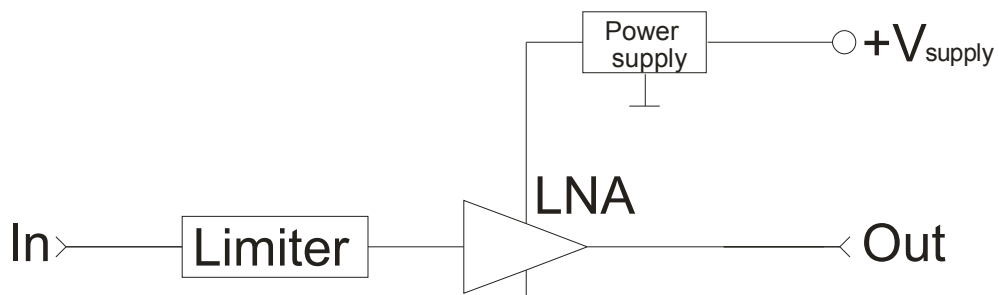
- Working frequency range 9,3 – 9,4 GHz
- Gain 22 - 28 dB
- Noise figure 4,5 dB
- P_1 dB output min. 8 dBm
- Input/output VSWR 1,7/1,7
- Power supply 12 V 120 mA



The amplifier with limiter ELU-3-33 is a complete functional unit that provides amplification of the input signal. It is made in a sealed enclosure. It has wide dynamic range, low noise figure and allows high power input radio pulses.

Maximum allowable operating conditions

Parameter	Unit of measurement	Value
Maximum allowable input pulse power at: <ul style="list-style-type: none"> • pulse width $\tau_{pulse} = 2 \mu\text{sec}$. • duty cycle $Q=800$. 	W	100
Input/output VSWR		<1,5
Supply voltage	V	11,5-12,5
Supply voltage ripple	%	5
Ambient temperature	°C	-50 ... +60
MTBF	h	5000



Main specifications

Parameters, units of measurement	Value		
	min.	typical	max
Working frequency range, MHz	9300	-	9460
Power gain, dB	22,0	-	28,0
Noise figure, dB	-	4,5	5,0
Input/output VSWR	-	1,7	2,0
P ₁ dB output dBm	-	8	7
Supply voltage (positive), V	11,5	12,0	12,6
Current consumption, mA	-	-	150

Note. Voltage value is given in respect to module enclosure..

Outline drawing

