

**Specifications**

- **Working frequency range** 2,9 – 3,15 GHz
- **Gain** 28 - 31 dB
- **Noise figure** 1,7 dB
- **Gain instability over working temperature range**, 2dB
- **P<sub>1</sub> dB output** 13 dBm
- **VSWR input/output** 1,8/1,5
- **Power supply** 11,4 – 12,6 V 60 mA



The amplifier with limiter ELU-3-30 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
Working frequency range	MHz	2900 - 3150
Maximum allowable input pulse power at duty cycle 100 and pulse width 26 μsec	W	<100
Gain decrease at output power 10 mW	dB	<1
Ambient temperature	°C	-50 ... +60
Supply voltage	V	11,4 – 12,6
Supply voltage ripple	mV	30
MTBF	h	>5000

## Main specifications

Parameters, units of measurement	Value		
	min.	typical	max
Working frequency range, MHz	2900	--	3150
Power gain, dB	28,0	--	31,0
Power gain instability over working temperature range, dB	--	--	2,5
P1 dB output, dBm	10	13	--
Noise figure, dB	--	1,7	2,0
Input/output VSWR	--	1,8	2,0
Supply voltage (positive), V	11,4	12,0	12,6
Current consumption, mA	--	--	60

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

## Outline drawing

