

**Specifications**

- **Working Frequency Range 2,0 –4,0 GHz**
- **Gain 30dB**
- **Noise figure 2,2 dB**
- **Gain flatness 1,6 dB**
- **$P_1$  dB output min. 8 dBm**
- **VSWR input/output 1,7/1,7**
- **Power supply +12 V, 100 mA**



The broadband microwave amplifier ELU 2040 is a complete functional unit that provides amplification of the input signal in S-band. It is made in a sealed enclosure. The unit has low noise figure.

**Maximum allowable operating conditions**

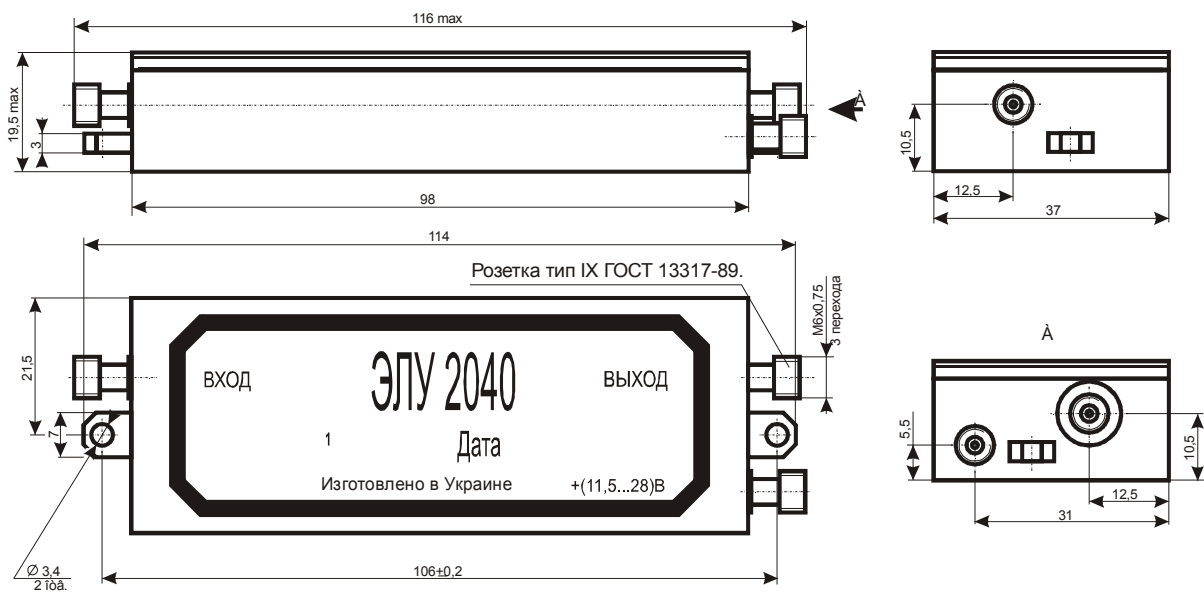
Parameter	Units of measurement	Value
Working frequency range	MHz	2000 - 4000
Maximum allowable input power	mW	1,0
Supply voltage (positive)	V	11,5 - 28
Supply voltage ripple	%	5
Ambient temperature	°C	-60...+70

## Main specifications

Conditions of measurement:  $V_{\text{supply}}=12\text{ V}$ ,  $Z_{\text{in}}=50\text{ Ohm}$ ,  $Z_{\text{out}}=50\text{ Ohm}$ .

Parameter , unit of measurement	Value		
	min.	typical	max.
Power gain, dB	28,0	30,0	—
Power gain flatness, dB	—	1,6	2,0
Noise figure, dB	—	2,2	2,5
Power gain decrease at 5 mW output power, dB	—	0,85	1,0
VSWR input/output	—	1,7	2,0
Supply voltage, V	11,5	12	28
Current consumption, mA	—	—	100

## Outline drawing



Для сочленения с входом, выходом изделия и подключения напряжения питания использовать вилку тип IX ГОСТ 13317-89.