

Specifications

- **Working Frequency Range 1,5 –4,0 GHz**
- **Gain 15,5 dB**
- **Noise figure 2,2 dB**
- **Gain flatness 1,0 dB**
- **P_1 dB output 8 dBm**
- **VSWR input/output 1,7/1,7**
- **Power supply +12 V 100 mA**



The broadband microwave amplifier ELU 1540 is a complete functional unit that provides amplification of the input signal in a wide frequency band. It is made in a sealed enclosure. The unit has low noise figure.

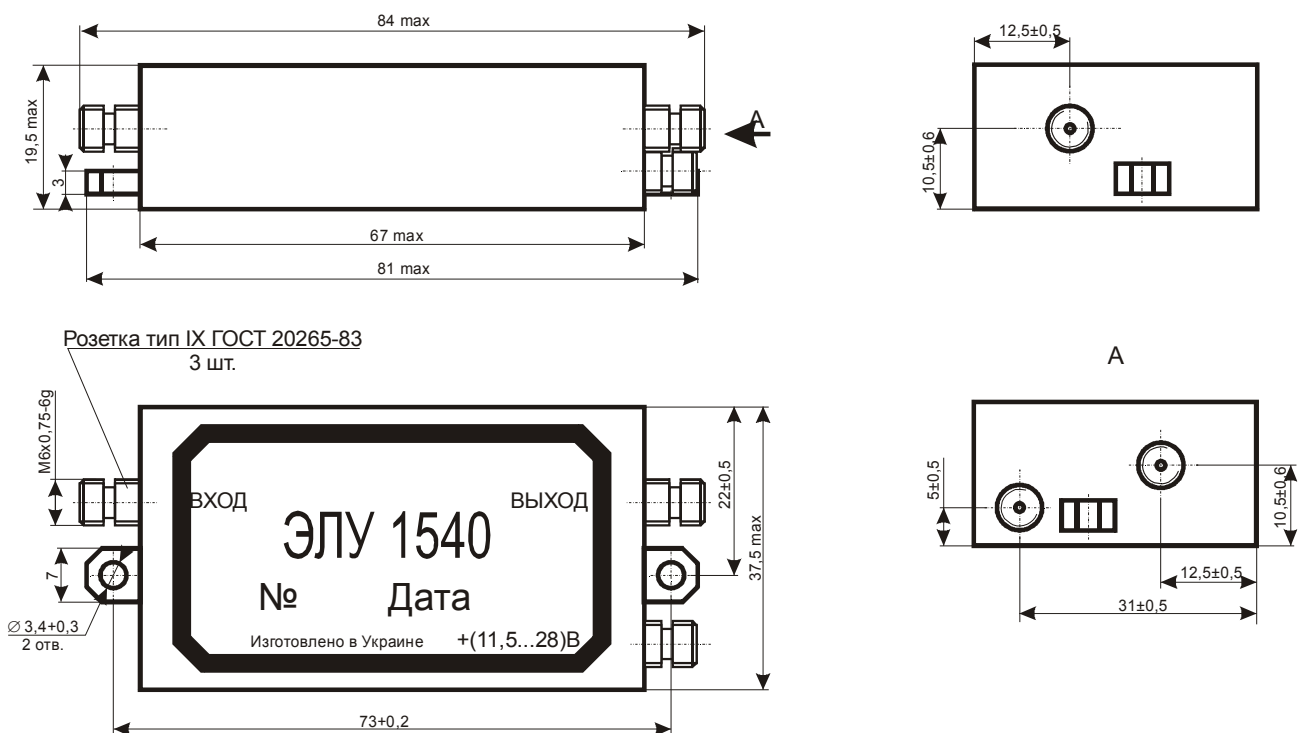
Maximum allowable operating conditions

Parameter	Unit of measurement	Value
Working frequency range	MHz	1500 - 4000
VSWR input/output		<1,5
Maximum allowable input power	mW	1,0
Supply voltage (positive)	V	11,5 - 28
Supply voltage ripple	%	5
Ambient temperature	°C	-50...+60

Main specifications

Parameter, units of measurement	Value		
	min.	typical	max.
Power gain, dB	15,0	15,5	—
Power gain flatness, dB	—	1,0	1,5
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 20265-83.