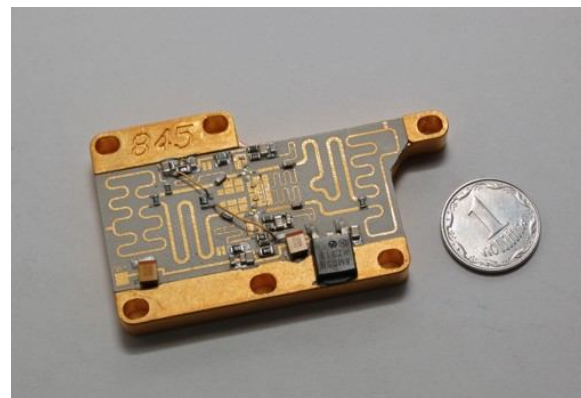


## Specifications

- **Working frequency range 1,2 –1,4 GHz**
- **Gain 18,3 dB**
- **Noise figure 1,1 dB**
- **Gain flatness 0,5 dB**
- **$P_1$  dB output 18 dBm**
- **VSWR input/output 1,3/1,3**
- **Power supply +9 V 120 mA**



The low-noise microwave amplifier ELU 1214 is made as a hybrid integrated unit. The module is intended for use as part of sealed equipment that provides protection against moisture, salt fog, mold, frost and dew, corrosive gases and mixtures, atmospheric pressure changes. The module is used in input circuits of radars receivers and other radio technical devices. The module input and output are microstrips with wave impedance 50 Ohm.

## Maximum allowable operating conditions

Parameter, unit of measurement	Value		
	min.	typical	max.
*Supply voltage (positive), V	8,0	9,0	10,0
Supply voltage ripple, %	—	—	5
High working ambient temperature, °C	60		
Low working ambient temperature, °C	minus 25		

Main specifications

Parameters, units of measurement	Value		
	min.	typical	max
Working frequency range, MHz	1200		1400
Power gain, dB	17,3	18,3	19,3
Input (output) reflection loss, dB	14	15	-
Input-output isolation, dB	21	-	-
Noise figure, dB	-	1,1	1,2
Intermodulation point at -15 dBm, input (I/P), dB	-	-	minus 58
Input power at 1dB gain compression, dBm	1	-	-
Supply voltage, V	8	9	10
Current consumption, mA	-	115	120

Outline drawing

