

**Specifications**

- Working frequency range 1,45 – 2,05 GHz
- Gain 35 dB
- Output power 6 W
- VSWR input maximum 1,5
- Power supply +12 V 4,5 A; -12 V 0,1 A



The power amplifier UM 5 is intended to operate as a final power amplifier in radio navigation and detection systems and may be used to amplify continuous and pulsed signals in L-band.

Structurally the amplifier is made in aluminum enclosure without heat sink. It has a coaxial input and output (female) with 3,5/1,5mm section.

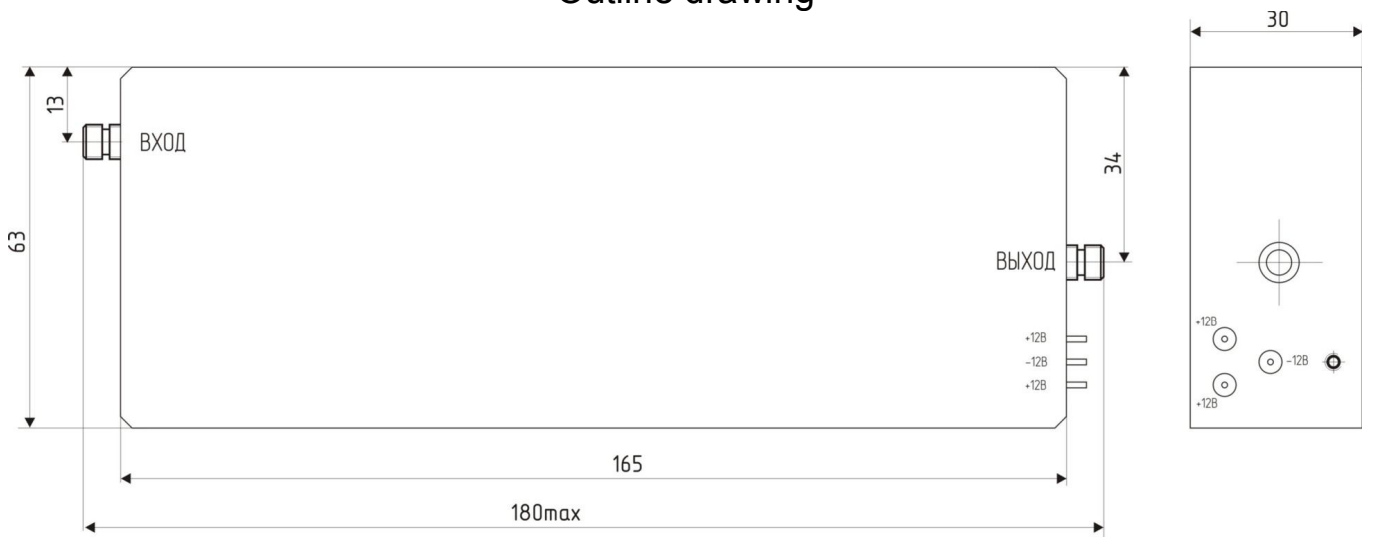
**Maximum allowable operating conditions**

Parameter, unit	Value		
	min	typical	max
Positive supply voltage, V	11,4	12	12,6
Negative supply voltage, V	minus 9	minus 12	minus15
Peak input power, mW	-	-	40
Working temperature range, °C	minus 40	-	+65

**Main specifications**

Parameter, unit	min	typical	max
Frequency range, GHz	1,45	-	2,05
Output power at input power 1 mW over frequency range,W	5	6	-
Gain in linear conditions, dB	36	38	-
Gain flatness, dB	-	1,5	2
VSWR input	-	1,3	2
Self-noise at the output, μW	-	0,3	0,5

Outline drawing



"Вход и Выход"  
розетка тип IX ГОСТ 20265