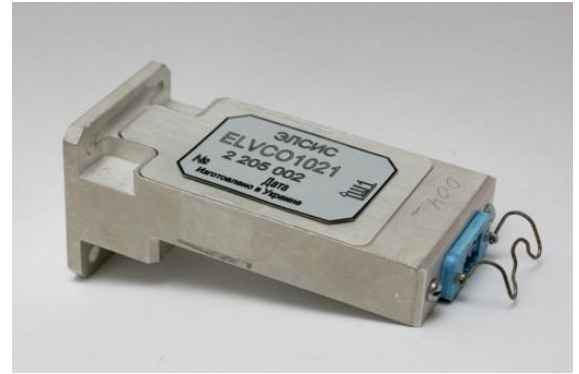


Specifications

- Working frequency range 9,550-9,580 GHz
- Spurious components in output signal spectrum -65 dB
- Output power 8,5 dBm

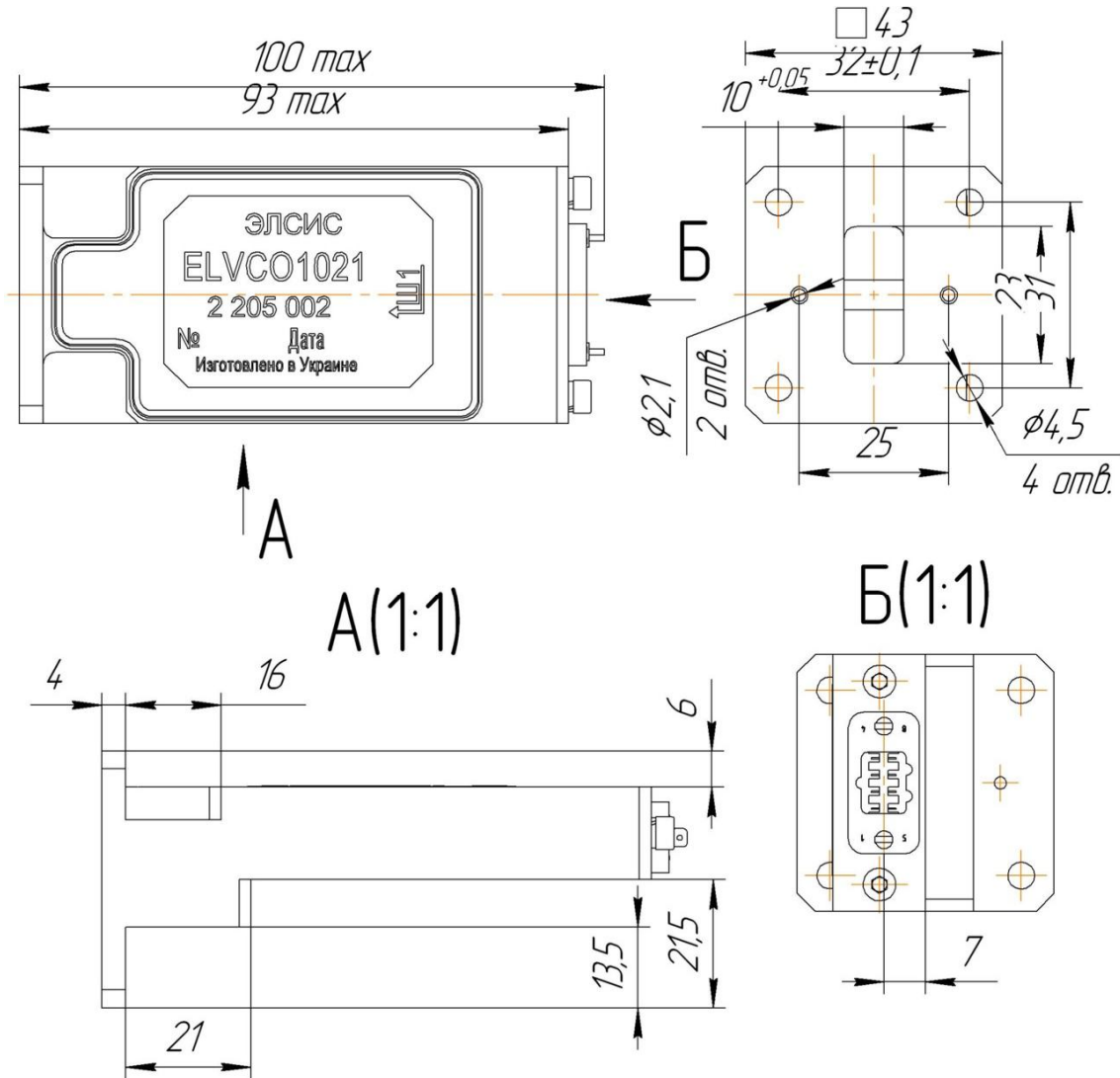


The oscillator ELVCO 1021 is intended for upgrading of weather radar MRL-5. It is used as a voltage-controlled oscillator instead of block 2 205 002 in 3 cm channel. The oscillator has band-pass filter for lowering spurious radiation. The output is made as a waveguide with 10x23 mm section.

Main specifications

Parameter, unit of measurement	Value		
	min	typical	max
Working frequency range, GHz	9,550	-	9,580
Output power, dBm	6	8,5	-
Spurious components in output spectrum, dB	-50	-65	-
Control voltage, V	-5	-	-12
Supply voltage 1, V	+19	+20	+21
Consumption current at +20V, mA	-	105	110
Supply voltage 2, V	-5,25	-5	-4,75
Consumption current at +20V, mA	-	22	25
MTBF, h	10000	-	-
Ambient temperature, °C	+5	-	+40

Outline drawing



Для подключения питающих напряжений использовать вилку РШ1Н-1-3.