

**Specifications**

- Working frequency range 2,955-2,990 GHz
- Spurious components in output signal spectrum -55 dB
- Output power 6,5 dBm



The oscillator ELVCO 1020 is intended for upgrading of weather radar MRL-5. It is used as a voltage-controlled oscillator instead of block 2 205 003 in 10 cm channel. The oscillator has low-pass filter and cophased power divider by 2 at the output.

**Main specifications**

Parameter, unit of measurement	Value		
	min	typical	max
Working frequency range, GHz	2,955	-	2,990
Output power of each output, dBm	5	6,5	-
Isolation between outputs (voltage switched off), dB	18	20	-
Spurious components in output signal spectrum, dB	-50	-55	-
Control voltage, V	-5	-	-12
Supply voltage, V	+19	+20	+21
Consumption current, mA	-	105	110
MTBF, h	10000	-	-
Ambient temperature, °C	+5	-	+55

Outline drawing

