

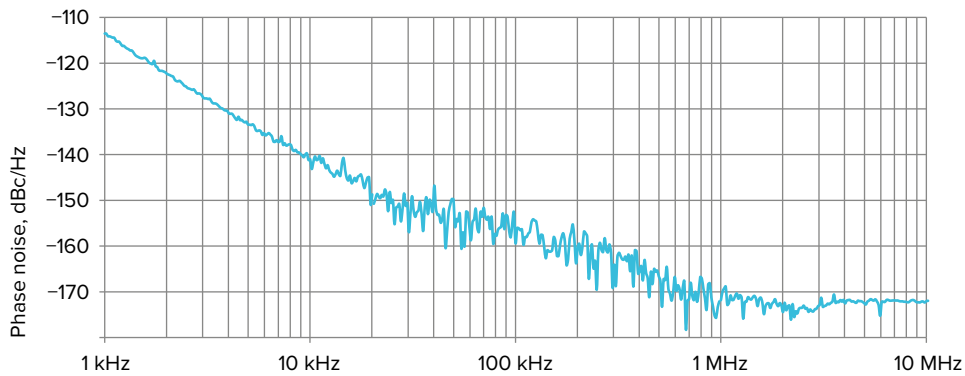
Voltage-controlled SAW oscillator MSO-1000

- Low phase noise
- Low power consumption
- High frequency stability
- Reliability
- Compact size



Voltage-controlled SAW oscillator MSO-1000 have moderately high frequency stability and low phase noise. The MSO-1000 is ideally suited as an intermediate signal source in fixed MW frequency generation systems.

Phase noise



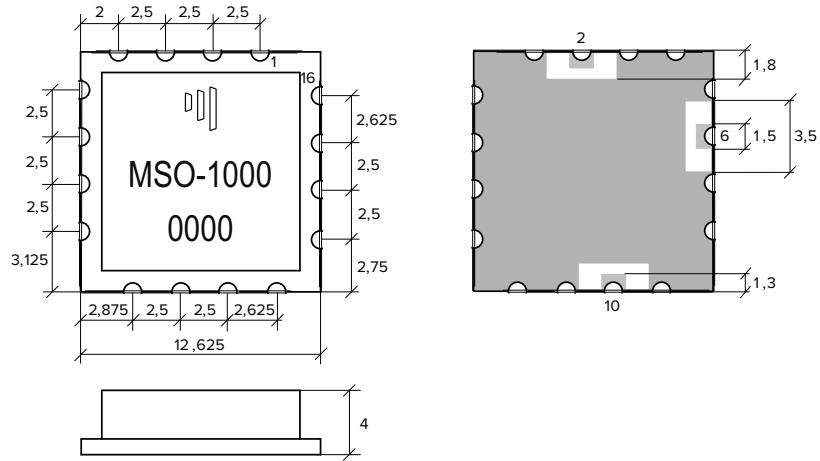
Offset

Technical Specifications

Output frequency, GHz	1 *
Phase noise @ offset, dBc/Hz, max. :	
10 kHz	-135
100 kHz	-160
Supply voltage, V	3.3...5
Control voltage, V	0...5
Output power	> 6
Frequency tuning range, ppm, min.	-50...+120
Frequency versus temperature, T0 = 25°C, ppm/°C ²	-0.032
Output power, dBm, max.	3
Current consumption, mA	40
Operating temperature, °C	-40...+85

* Custom development at a frequency range 0.1...1.1 GHz.

Overall and Mounting dimensions, mm



Pin number	Description
2	RF output
6	Supply voltage input 0...5 V
10	Control input 3.3...5 V
1, 3-5, 7-9, 11-16	Ground