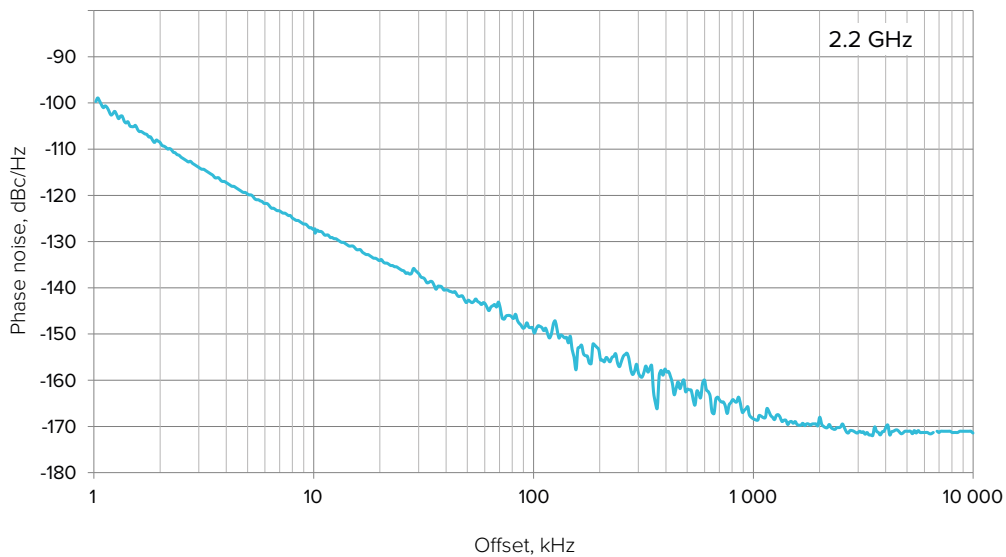


Coaxial resonator oscillators

Coaxial resonator oscillators can be used in continuous-wave radars as well as microwave reference sources. This type of oscillators has an excellent phase stability and wide tuning range (from 0.5%).



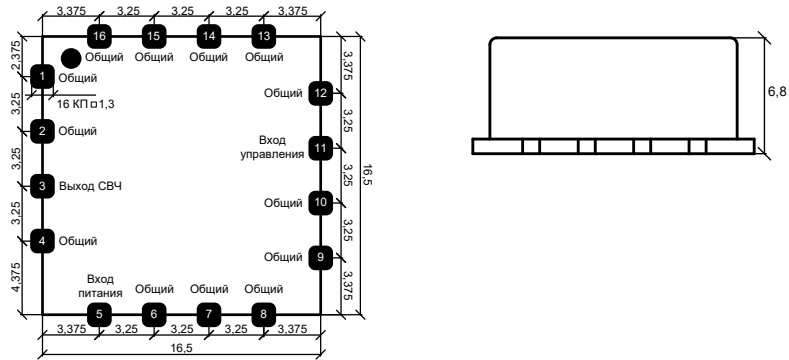
Phase noise



Technical Specifications

| | |
|---------------------------------------------------------------------------|-----------|
| Output frequency, GHz | 0.7...4 |
| Power spectral density of phase noise @100 kHz offset, at 2.2 GHz, dBc/Hz | -145 |
| Output power, dBm | > 8 |
| Current consumption, mA | ~40 |
| Supply voltage, V | 5 |
| Control voltage, V | 0...5 |
| Frequency tuning range, % | < 0.5 |
| Operating temperature range, °C | -40...+85 |

Overall and Mounting dimensions, mm



| Pin number | Description |
|------------------|--------------------------------|
| 3 | RF output |
| 5 | Supply voltage input 5 V ± 5 % |
| 11 | Control input 0...5 V |
| 1–2,4,6–10,12–16 | Ground |

Sensitivity to electrostatic discharges of 4kV (nanofibrous material).