

Varactor Tuned Gunn Oscillator

DESCRIPTION

The oscillator is designed for PLL systems.

OPERATING CONDITIONS

Operating temperature: 0...55 °C

Relative humidity: 98%

SPECIFICATIONS

Center frequency: any in 37.5-52.6 GHz range

Output min power: ≥ 50 mW

Tuning bandwidth: $\pm(150-250)$ MHz

Varactor tuning voltage: 0 to -30 V

Bias voltage: +3...+5 V

Bias current: ≤ 2 A

Waveguide output: WR-22

Flange type: UG-383/U

Input connector type: SMA(f)

Dimensions: 70x60x40 mm

Weight: 320 g

The oscillators should be mounted with a heat sink.