

60-90 GHz Millimeter-Wave Gunn Oscillator, Model GE-XXX

Description:

Spacek Labs millimeter-wave Gunn oscillators use high Q resonator circuits to produce clean and stable output signals from 60 to 90 GHz.

The bias input contains an integral low frequency suppression filter and over voltage protection circuit. These oscillators can be used as a laboratory source, a multiplier driver, local oscillator or whenever a reliable source for the generation of millimeter wave signals is required. The varactor tuning voltage is from the Gunn bias voltage to -20 volts (ex. +5v to -20v), or from Gunn bias voltage to +30v (ex. +5v to +30v).



Features:

- High Reliability and Performance
- Narrow to Broadband Monotonic Tuning
- Combined Mechanical and VaractorTuning
- High RF Output Power
- Integral Heatsink
- Micrometer Tuning Available

Electrical Specifications:

Description	Min.	Тур.	Max.
Center Frequency (F _C)	60 GHz	-	90 GHz
Power Output (mW)	-	-	50 mW
Tuning Bandwidth (% F _{C)}	-	-	5%
Frequency Stability (MHz/°C)	-	6 MHz	-
Power Stability (dB/°C)	-	-	-0.04 dB
Bias Voltage (volts)	-	4 V	-
Bias Current (amps)	-	0.7 A	1.3 A

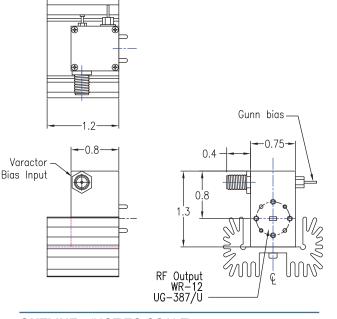
Mechanical Specifications:

Description	Specification	
Connectors	UG-387/U	
Dimensions	See Outline	
Material	Brass	
Finish	Gold Plate	
Weight	4.3 oz	

How to order Gunn Oscillators:

Please specify your request by giving the following data:

- 1. Center Frequency
- 2. Tuning Bandwidth
- 3. Mechanical, Varactor, or Fixed tuned
- 4. Power Output
- 5. Waveguide Size



OUTLINE (NOT TO SCALE)

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Notes: Product data is periodically updated to reflect product / raw material / process / testing changes. This data should not be used as guaranteed specifications. Please contact Spacek Labs to make sure you have the most current data.

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