## Features and Benefits

Frequency 100.000000 MHz
+13 dBm min. ultra low noise sine wave output
$+/-100.0 \mathrm{ppb}$ max. from $0^{\circ} \mathrm{C}$ to $+80^{\circ} \mathrm{C}$
$+/-2 \mathrm{ppm} \mathrm{min}$. electronic frequency adjust from 0.0 V to +10.0 V
$-130 \mathrm{dBc} / \mathrm{Hz}$ or BETTER @ 100 Hz offset
$-160 \mathrm{dBc} / \mathrm{Hz}$ or BETTER @ 1000 Hz offset

## Typical Applications

Ref. for microwave comm. System
Signal Analyzer Reference for internal synthesizers
SATCOM Systems

## Description

The OCXO2525L-100MHz-LG-XX family offers a specially designed vibration isolated package with a 100 MHz SC-cut crystal impedance matched to the oscillator and amplifier circuits to deliver consistent world class phase noise on all production shipments.

## Mechanical Drawing \& Pin Connections



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OCXO2525L-100MHz-LG-XX
High Stability OCXO with Sine Wave Output

## Specifications



## Environmental

Operating Temperature Range
$0^{\circ} \mathrm{C}$ to $+80^{\circ} \mathrm{C}$

## Ordering Options

## XX = 05

for less than 0.5 ppb per g worst case axis
$X X=10 \quad$ for less than 1.0 ppb per $g$ worst case axis

## Typical Phase Noise Performance @ 100 MHz




