

AS9100 / ISO9001 Certified

Low G Sensitivity

This rugged series of oscillators is ideal for demanding military applications such as UAV, rotorcraft, tracked vehicles and harsh industrial environments. Its primary focus is on applications requiring significantly reduced acceleration sensitivity.



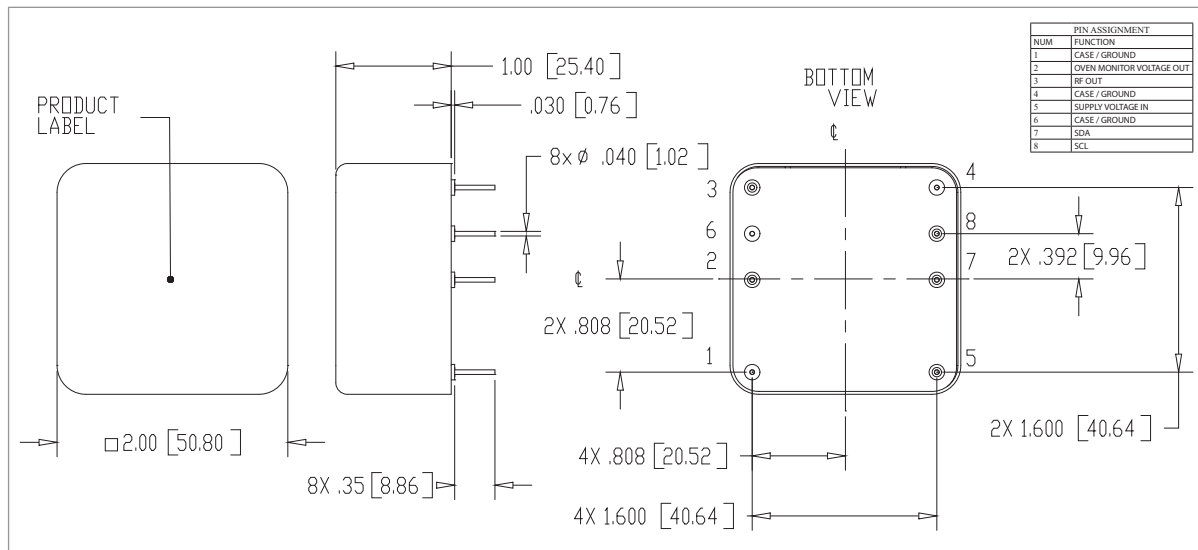
Key Features

- Low G Sensivity <math><1E-10/g/axis</math>
- Single Oven and Double Oven Technologies
- 5,10, 50 SC Cut Standard Frequencies (others available)
- Thermal Stability to $\pm 1E-010$ over 100°C Temperature Range
- Phase Noise -100dBc/Hz at 1Hz offset at 10MHz
- Package 1" and 2" square (0.55in³ and 4.0in³ respectively)
- MTBF of 360K hours @ +55C per MIL-STD-217
- Hermetic Package per MIL-STD-883
- Optional Internal 24-bit D/A Converter or EFC Tuning
- Optional Shock and Vibration Isolation System
- Optional Screening per MIL-PRF-55310
- Optional Internal ROM for Data Storage
- Optional Non-Volatile Valibration via I²C
- Patent Applied for Technology

Applications

- Mobile Fast Acquisition
- Ground Communications
- Satellite Communications
- Timing System Integration
- Rugged Military Applications

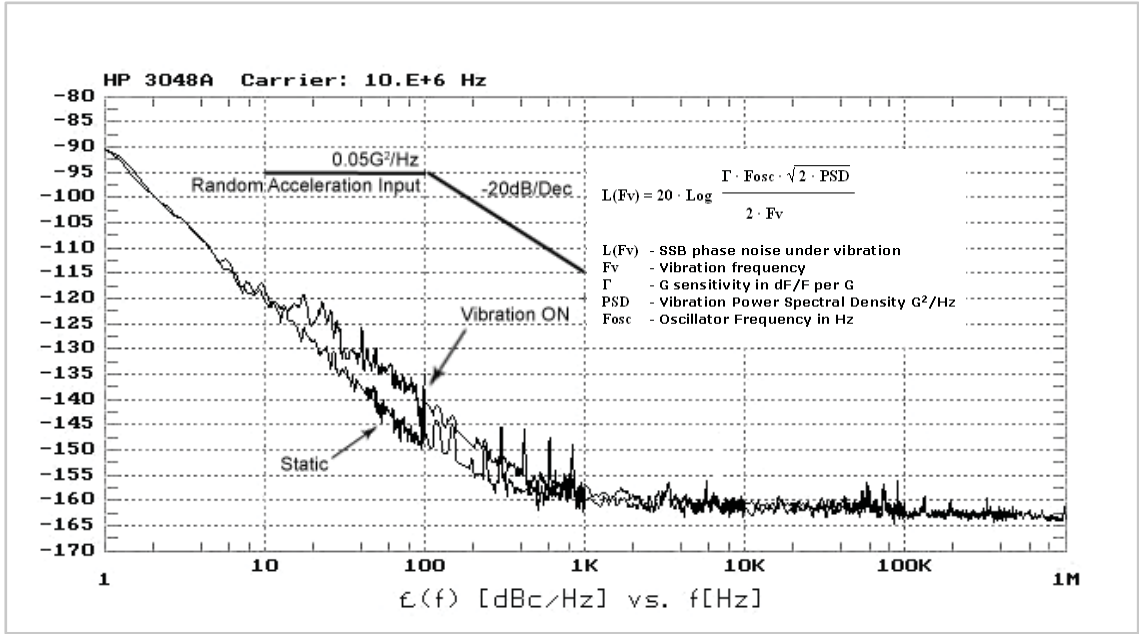
Interface Control Drawing



*RoHS compliant available

*Parameters can be modified to meet specific requirements

Phase Noise



Allan Deviation $\sigma_y(\tau)$

