

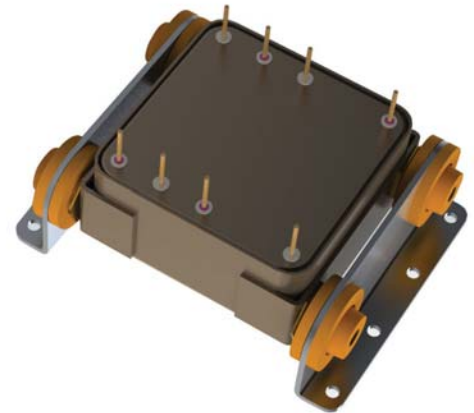
AS9100 / ISO9001 Certified

Vibration Isolated

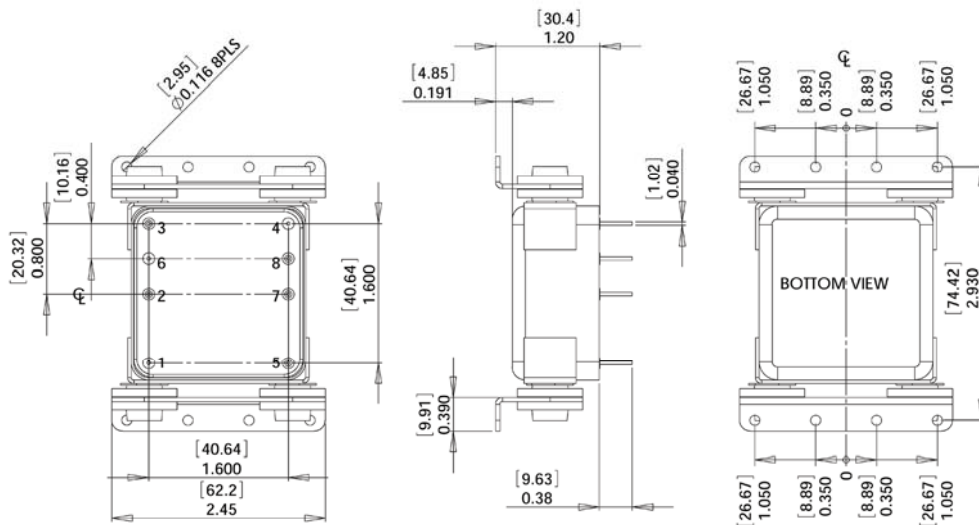
This rugged series of oscillators is ideal for demanding military applications such as UAV, rotorcraft, tracked vehicles and harsh industrial environments. Its primary focus is on applications requiring significantly reduced acceleration sensitivity and exceptional phase noise under vibration.

Key Features

- Low G Sensitivity, better than 1.0E-10/g/axis
- Wide Frequency Range of 5MHz to 40MHz
- Thermal Stability to +/-1.0E-10 over 100°C temperature range
- Phase Noise -100dBc/Hz at 1Hz offset at 10MHz
- MTBF of 360K hours at +55C per MIL-STD-217
- Hermetic Package per MIL-STD-883
- Optional Internal 24 bit D to A Converter or EFC Tuning
- Optional Screening per MIL-PRF-55310
- Optional Internal ROM for Data Storage
- Optional Non-Volatile Calibration via I²C
- Rad Hard Options available for 10k to 50k
- Entire Assembly weighs less than 240g
- Patented Technology



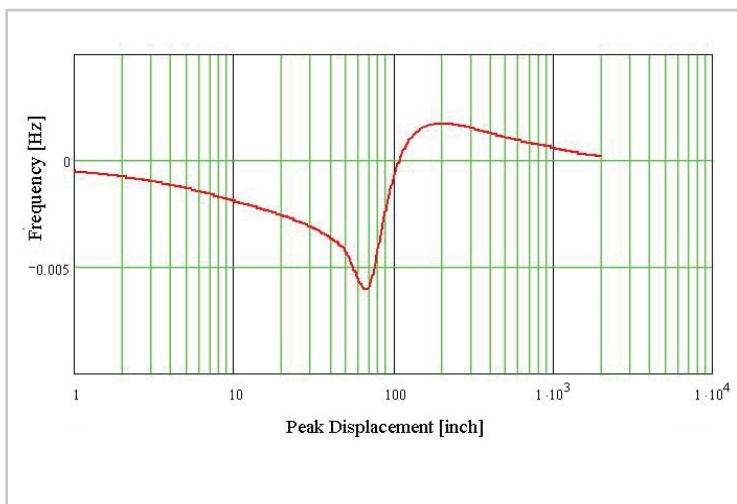
Interface Control Drawing



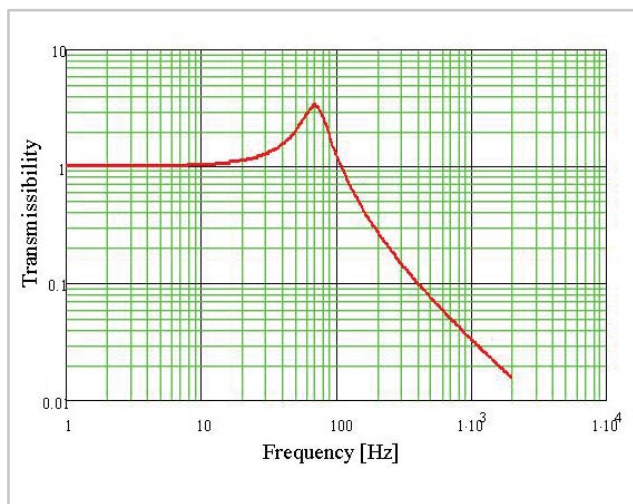
PIN ASSIGNMENT	
NUMBER	FUNCTION
1	CASE/GROUND
2	OVEN MONITOR
3	VOLTAGE OUTPUT
4	RF OUTPUT
5	CASE/ SUPPLY RETURN
6	SUPPLY VOLTAGE
7	CASE/ RF GROUND
8	SDA
	SCL

*Parameters can be modified to meet specific requirements

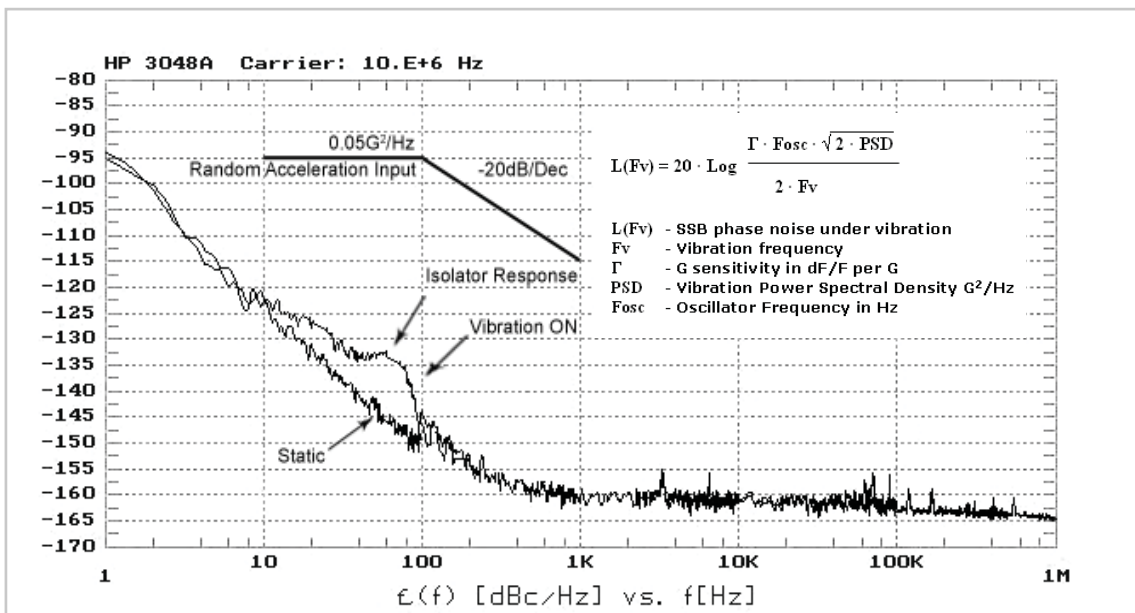
Isolator's Displacement



Transmissibility vs Frequency



Phase Noise



Allan Deviation $\sigma_y(\tau)$

