



Features and Benefits

- Good G-sensitivity performance with less than 1 ppb / G
- Low power consumption (up to 180mW at +25°C)
- Low long term aging (less than ± 1 ppm over 10 years)
- 3.3V with min. +4 dBm sine wave output
- Outstanding fast warming-up (up to 30s)
- Miniature DIP8 sizes

Typical Applications

- Mobile Test Equipment
- Portable Wireless Communication
- Battery Powered Applications
- Beacon and Rescue Systems

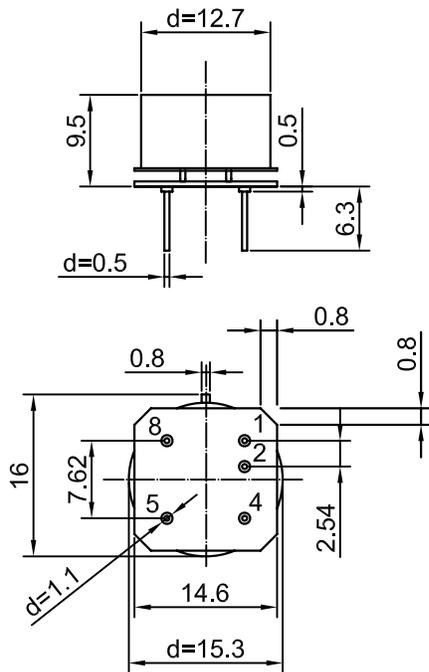
Description

OCXO3312C-10MHz-D-V offers state-of-the-art design which allows low power consumption, good G-sensitivity performance and frequency stability, along with reliable long term aging, all within a compact package.

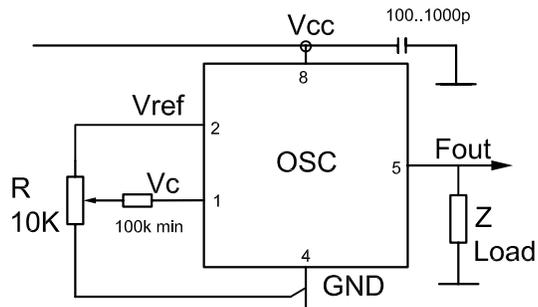
Mechanical Drawing & Pin Connections

Drawing No: MD170001-&

Physical dimensions



Schematic connections



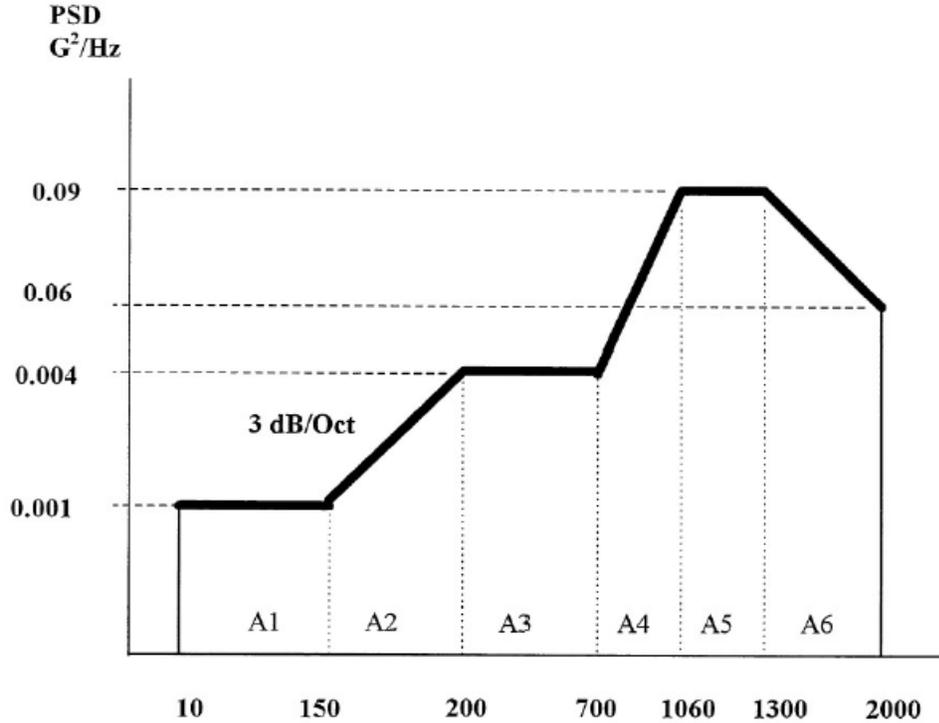
Pin	Signal
1	Electrical tuning
2	Reference voltage
4	GND
5	RF Out
8	+V Supply

Unit in mm
1mm = 0.0394 inches

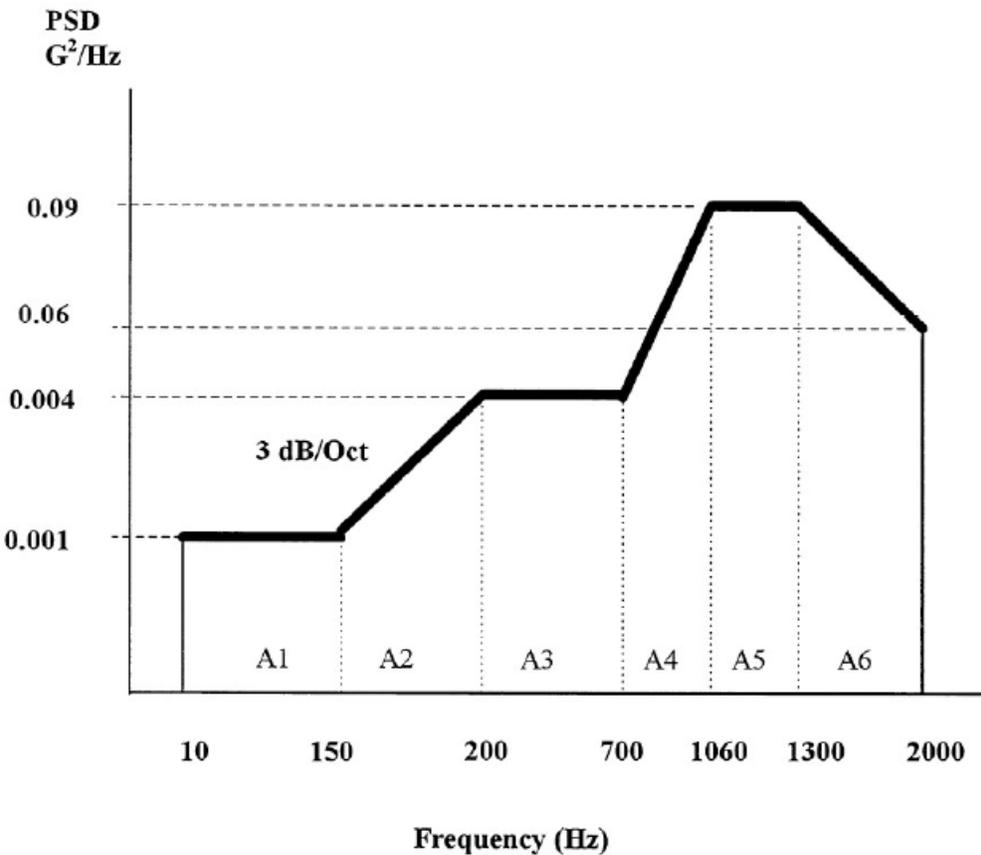


Harsh Environment Exposure: Operational Random Vibration

Random Vibration (Operational Level) Z axis

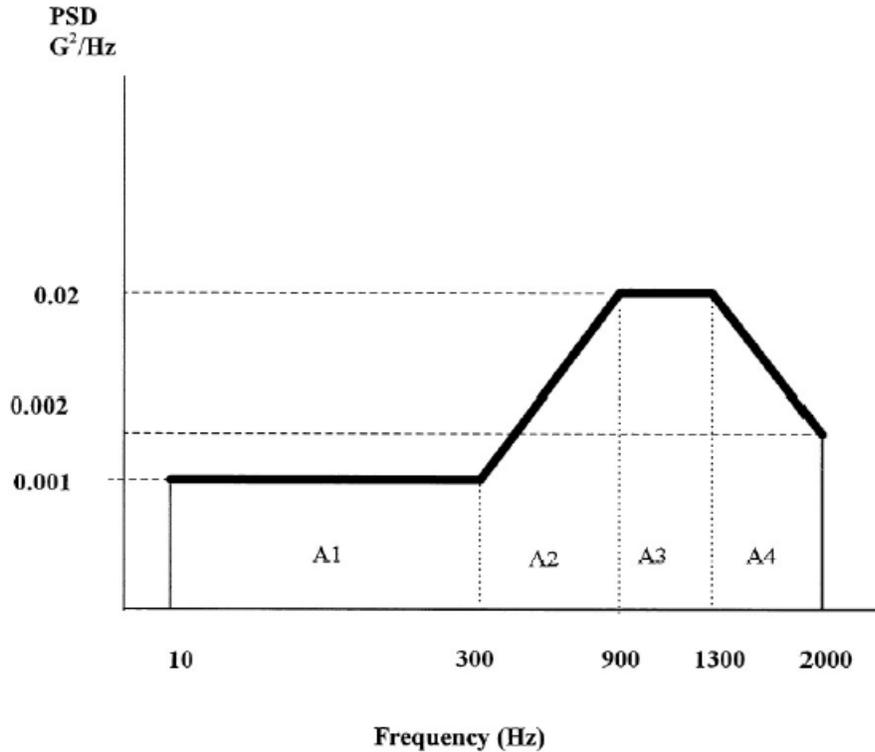


Random Vibration (Operational Level) Y axis





Random Vibration (Operational Level) X axis



Dynamic Phase Noise Data

Y,Z axis

offset, Hz	g²/Hz	0.25ppb/G dBc/Hz
10	0.001	-105
150	0.001	-128
200	0.004	-125
700	0.004	-135
1060	0.009	-126
1300	0.09	-127
2000	0.06	-133

X axis

offset, Hz	g²/Hz	0.25ppb/G dBc/Hz
10	0.001	-105
300	0.001	-134
900	0.02	-131
1300	0.02	-134
2000	0.002	-148