

About Q-Tech Corporation

- Q-Tech focusing exclusively on providing high reliability crystal oscillators
- Qualified to QPL on MIL-PRF-55310/S Space Level
- More products QPL qualified to MIL-PRF-55310 than any other supplier
- Providing oscillators for space since 1985
- M55310 / ISO 9001 / AS 9100 Registered

Q-Tech Miniature Oscillators for High Temperature Applications

High Temp Oscillators in Packages as small as 2.5 x 3.2 mm

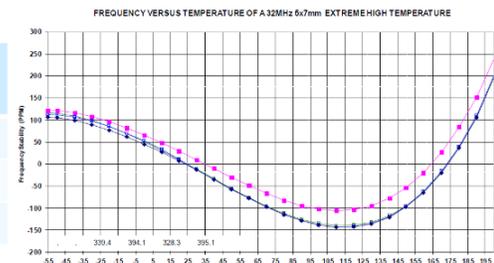
- Operating temperature range of -55°C to +200°C
- Short lead times with ~8 weeks on new part types and ~2 weeks on repeat orders
- XO in CMOS at 32.768 kHz and 1 to 48 MHz frequency range with stability in the 150 to 250 ppm range
- Standard surface mount configuration

Extreme High Temp Oscillators with Frequencies from 625kHz to 110 MHz

- +1.8 VDC, +2.5 VDC, +3.3 VDC, and +5 VDC
- -55°C to +225°C operating temperature range
- Packages as small as 5 x 7 mm
- Standard ± 450 ppm max stability at 225°C

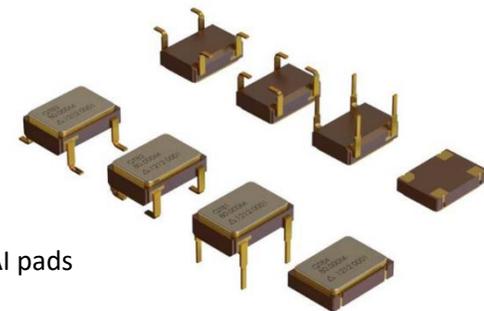
- ± 250 ppm max stability at 200°C

T(°C)	I _{dd} (mA) with load	Start-up time (ms)
-55	6.0	1.5
25	6.4	1.4
+225	6.6	1.8



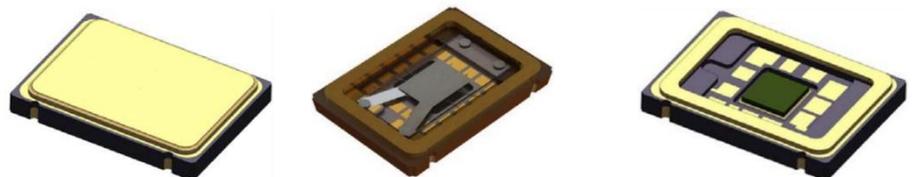
5 x 7 mm Package available in various Lead Configurations

- Surface Mount
- Through Hole
- Formed Lead
- Gull Wing



5 x 7 mm Package Construction

- High temperature materials
- Wedge AI wire bonding on IC AI pads
- Hermetically seam sealed
- 100% fine and gross leak testing



For more Information or Datasheets, please contact:

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