

Customer Part:



Description

- Ceramic package with a hermetically seam sealed metal lid suitable for automotive applications. Qualified to AEC-Q200 and with IATF-16949:2016 release. Not suitable for safety critical applications.
- Model IQXO-540 AUTO
- Model Issue number 1

Frequency Parameters

- Frequency 8.0MHz
- Frequency Stability ±100.00ppm
- Operating Temperature Range -40.00 to 125.00°C
- Ageing ±5ppm max per year @ 25°C

Electrical Parameters

- Supply Voltage 3.3V ±10%
- Current Draw 5.000mA

Output Details

- Output Compatibility CMOS
- Drive Capability 15pF
- Rise and Fall Time 5.0ns max
- Duty Cycle 40/60%

Output Control

- Enable/Disable Operation:
Logic '1' (>70% Vs) to pad 1 enables oscillator output.
Logic '0' (<30% Vs) to pad 1 disables oscillator output; the oscillator output goes to the high impedance state.
No connection to pad 1 enables oscillator output.
- Standby Current:
-40 to 85°C: 10µA max
-40 to 125°C: 20µA max

Environmental Parameters

- Storage Temperature Range: -55 to 125°C
- Qualified to AEC-Q200 Rev D

Manufacturing Details

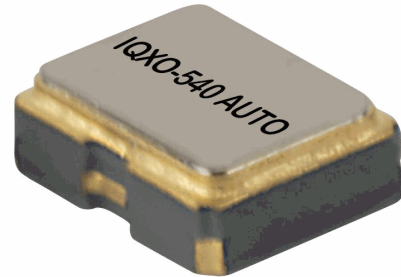
- RoHS Terminations NiAu
- RoHS Reflow Temp NiAu

Compliance

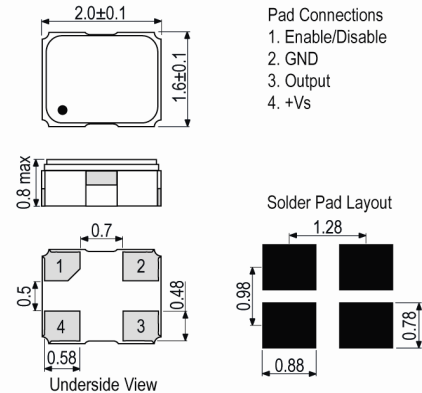
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

- Pack Style: Reel Tape & reel in accordance with EIA-481-D
Pack Size: 1,000
- *Alternative packing option available*



Outline (mm)



Pad Connections

1. Enable/Disable
2. GND
3. Output
4. +Vs

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