


Description

- Simple package crystal oscillator in a hermetically sealed 14-pin DIL package with tri-state function
- Model IQXO-821
- Model Issue number 1

Frequency Parameters

- Frequency 20.0MHz
- Frequency Stability $\pm 50.00\text{ppm}$
- Operating Temperature Range -10.00 to 70.00°C
- Ageing $\pm 5\text{ppm}$ max in 1st yr @ 25°C

Electrical Parameters

- Supply Voltage $5.0\text{V} \pm 10\%$
- Current Draw 40.00mA

Output Details

- Output Compatibility HCMOS
- Drive Capability 50pF
- Rise and Fall Time 5.0ns max
- Duty Cycle $45/55\%$

Output Control

- Tri-state Operation:
Logic '1' to pin 1 enables oscillator output
Logic '0' to pin 1 disables oscillator output, the oscillator output goes to a high impedance state
No connection to pin 1 enables oscillator output
- Start Up Time: 10ms max

Output Levels

- VoL: 10% Vs max
- VoH: 90% Vs min

Noise Parameters

- Phase Jitter (12kHz-20MHz): 1ps rms max

Environmental Parameters

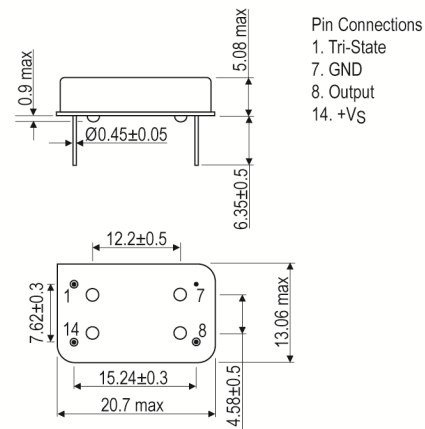
- Shock: 1500G , 0.5ms , 5 times in each of 6 directions, along 3 mutually perpendicular planes
- Vibration: 20G (20Hz - 2000Hz), 1.5mm amplitude, cross-over frequency 80Hz , in 3 mutually perpendicular planes
- Storage Temperature Range: -55 to 125°C

Compliance

- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

- Pack Style: Bulk Loose in Bulk Pack
Pack Size: 25
- *Alternative packing option available*


Outline (mm)

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