



Description

- Simple package crystal oscillator in a hermetically sealed 8-pin DIL package with tri-state function
- Model IQXO-826
- Model Issue number 1

Frequency Parameters

- Frequency 20.0MHz
- Frequency Stability $\pm 100.00\text{ppm}$
- Operating Temperature Range -40.00 to 85.00°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

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

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

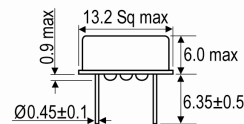
- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

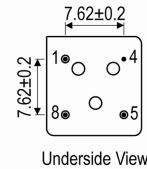
- Pack Style: Bulk Loose in Bulk Pack
- Pack Size: 40
- Alternative packing option available



Outline (mm)



Pin Connections
 1. Tri-State
 4. GND
 5. Output
 8. +VS



Sales Office Contact Details:

UK: +44 (0)1460 270200
 Germany: 0800 1808 443

France: 0800 901 383
 USA: +1.760.318.2824

Email: info@iqdfrequencyproducts.com
 Web: www.iqdfrequencyproducts.com

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