


Description

- Simple package crystal oscillator in a hermetically sealed 8-pin DIL package
- Model IQXO-827
- Model Issue number 1

Frequency Parameters

- Frequency 20.0MHz
- Frequency Stability $\pm 50.00\text{ppm}$
- Operating Temperature Range -40.00 to 85.00°C
- Ageing $\pm 5\text{ppm}$ max in 1st yr @ 25°C

Electrical Parameters

- Supply Voltage $3.3\text{V} \pm 10\%$
- Current Draw 30.00mA

Output Details

- Output Compatability HCMOS
- Drive Capability 50pF
- Rise and Fall Time 6.0ns max
- Duty Cycle 45/55%

Output Control

- 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

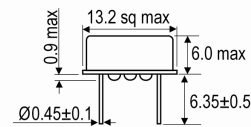
- Shock: 1500G, 0.5ms, 5 times in each of 6 directions, along 3 mutually perpendicular planes
- Vibration: 20G (20Hz-2000Hz), 1.5mm amplitude, cross-over frequency 80Hz, in 3 mutually perpendicular planes
- Storage Temperature Range: -55 to 125°C

Compliance

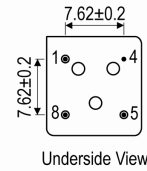
- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

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


Outline (mm)


- Pin Connections
1. N/C
 4. GND
 5. Output
 8. +VS


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