



## Description

- Standard 6 x 3.5 crystal oscillator  
Ceramic package with a seam sealed metal lid, hermetically sealed
- Model IQXO-63
- Model Issue number 8

## Frequency Parameters

- Frequency 25.0MHz
- Frequency Stability  $\pm 50.00\text{ppm}$
- Operating Temperature Range  $-40.00$  to  $85.00^\circ\text{C}$
- Ageing  $\pm 3\text{ppm}$

## Electrical Parameters

- Supply Voltage  $3.3\text{V} \pm 0.3\text{V}$
- Current Draw  $12.00\text{mA}$

## Output Details

- Output Compatibility HCMOS
- Drive Capability  $15\text{pF}$  max
- Rise and Fall Time  $7.0\text{ns}$  max
- Duty Cycle  $40/60\%$
- Standby Operation:  
Logic '1' ( $70\%V_s$  min) to pad 1 enables oscillator output  
Logic '0' ( $30\%V_s$  max) to pad 1 disables oscillator output;  
when disabled the oscillator output goes to the high impedance state  
No connection to pad 1 enables oscillator output  
Standby Current:  $10\mu\text{A}$  max

## Environmental Parameters

- Storage Temperature Range:  $-40$  to  $85^\circ\text{C}$
- Shock: MIL-STD-202F, Method 213B:  $1000\text{G}$ ,  $0.5\text{ms}$ ,  $1/2$  sine wave
- Vibration: MIL-STD-202F, Method 204D, Test Condition D:  $20\text{G}$  ( $10\text{Hz}$ - $2000\text{Hz}$ ),  $4\text{hrs}$  in 3 mutually perpendicular planes (total  $12\text{hrs}$ )

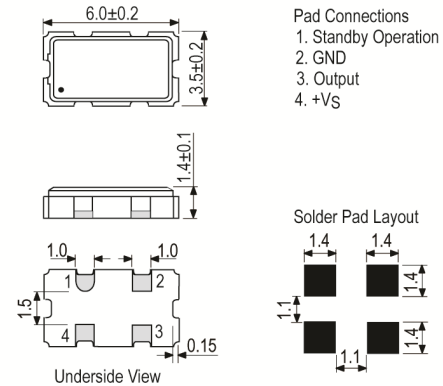
## Compliance

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

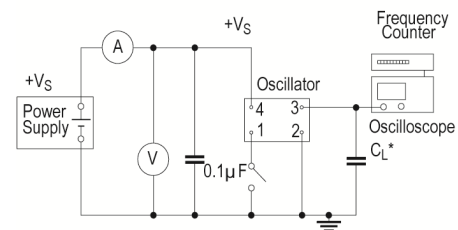
## Packaging Details

- Pack Style: Bulk Loose in bulk pack  
Pack Size: 100
- Alternative packing option available

## Outline (mm)



## Test Circuit



\* Inclusive of jigging and equipment capacitance  
Note:  $C_L = 50\text{pF}$  for model IQXO-62 and  $15\text{pF}$  for model IQXO-63

## 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](mailto:info@iqdfrequencyproducts.com)  
Web: [www.iqdfrequencyproducts.com](http://www.iqdfrequencyproducts.com)