

**Customer Part:**

**Description**

- 1.6 x 1.2mm crystal oscillator in a ceramic package with a seam sealed metal lid, hermetically sealed.
- Model IQXO-984
- Model Issue number 1

**Frequency Parameters**

- Frequency 32.7680kHz
- Frequency Stability  $\pm 50.00$ ppm
- Operating Temperature Range  $-40.00$  to  $85.00$ °C
- Frequency Stability: Includes Frequency Tolerance @ 25°C, operating temperature range, supply voltage variation and load variation.

**Electrical Parameters**

- Supply Voltage 3.3V  $\pm 10\%$
- Current Draw (typical) 0.025mA

**Output Details**

- Output Compatibility CMOS
- Drive Capability 15pF max
- Rise and Fall Time 200.0ns max
- Duty Cycle 45/55
- Output Voltage Levels:  
Output Low (VoL): 10%Vs max  
Output High (VoH): 90%Vs min
- Start Up Time: 7ms max

**Output Control**

- Stand-by Mode:  
Logic '0' (30%Vs max) to pad 1 disables the oscillator output, the output goes to a high impedance state.  
Logic '1' (70%Vs min) or no connection to pad 1 enables oscillator output.
- Stand-by Current: 1.4µA typical 3µA max

**Environmental Parameters**

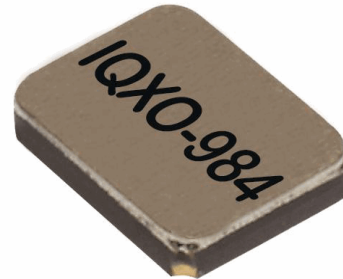
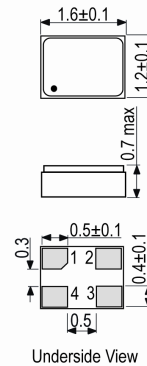
- Storage Temperature Range:  $-40$  to  $85$ °C

**Compliance**

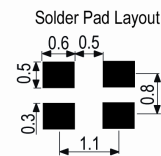
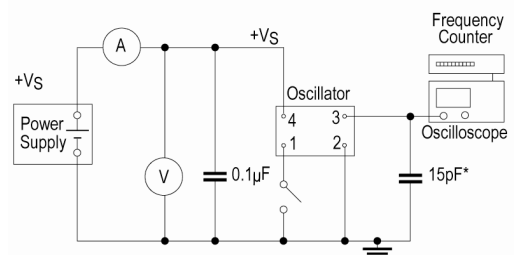
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

**Packaging Details**

- Pack Style: *Cutt* In tape, cut from a reel  
Pack Size: 100
- *Alternative packing option available*


**Outline (mm)**


- Pad Connections
1. Standby Operation
  2. GND
  3. Output
  4. +Vs


**Test Circuit**


\* Inclusive of jiggging and equipment capacitance

**Sales Office Contact Details:**

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 Email: [info@iqdfrequencyproducts.com](mailto:info@iqdfrequencyproducts.com)

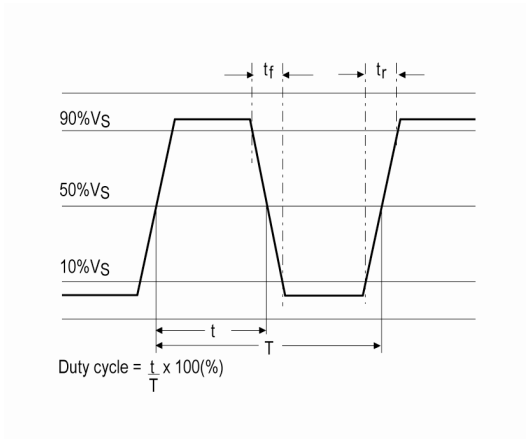
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USA: +1.760.318.2824

 Web: [www.iqdfrequencyproducts.com](http://www.iqdfrequencyproducts.com)

Customer Part:

Wave Form



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