

Customer Part:

Description

- Surface mount oscillator in a ceramic package with a hermetically sealed metal lid
- Model IQXO-70
- Model Issue number 11

Frequency Parameters

- Frequency 27.120MHz
- Frequency Stability $\pm 100.00\text{ppm}$
- Operating Temperature Range -40.00 to 85.00°C
- Ageing $\pm 5\text{ppm}$ max in 1st year

Electrical Parameters

- Supply Voltage $5.0\text{V} \pm 0.5\text{V}$
- Current Draw 27.000mA

Output Details

- Output Compatibility HCMOS
- Drive Capability 50pF max
- Rise and Fall Time 7.0ns max
- Duty Cycle 45/55%

Output Control

- Tri-state Operation:
Logic '1' (2.2V min) to pad 1 enables oscillator output
Logic '0' (0.8V 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

Environmental Parameters

- Shock: MIL-STD-202F, Method 213B: 1000G, 0.5ms, 1/2 sine
- Vibration: MIL-STD-202F, Method 204D, Test Condition D: 20G, frequency range 10-2000Hz 2hrs in 3 mutually perpendicular planes (total 6hrs)
- Storage Temperature Range: -55 to 125°C

Manufacturing Details

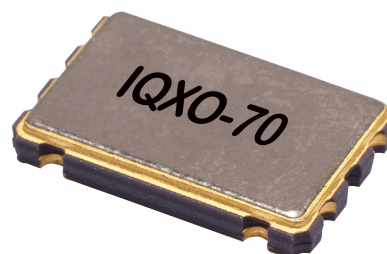
- RoHS Terminations NiAu
- RoHS Reflow Temp 260degC 10s

Compliance

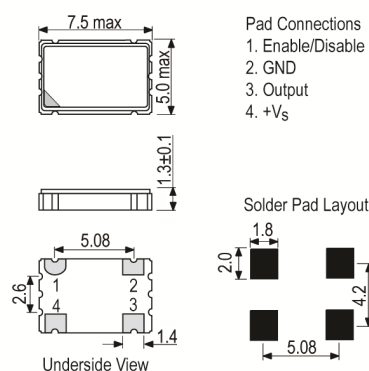
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

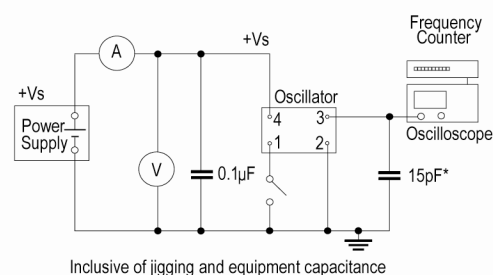
- Pack Style: Bulk Loose in bulk pack
Pack Size: 100
- Alternative packing option available



Outline (mm)



Test Circuit

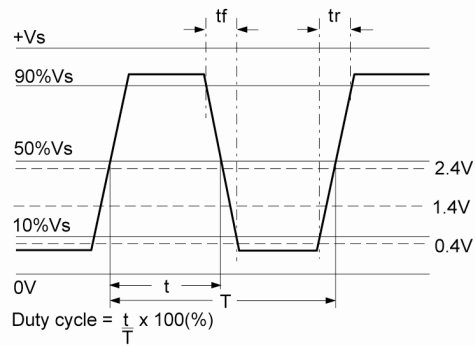


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