



Description

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

Frequency Parameters

- Frequency 16.0MHz
- Frequency Tolerance @ 25°C INCLUSIVE
- Frequency Stability $\pm 100.00\text{ppm}$
- Operating Temperature Range -10.00 to 70.00°C
- Ageing $\pm 5\text{ppm}$ max typical in first year

Electrical Parameters

- Supply Voltage 5.0V
- Supply Voltage Tolerance $\pm 0.5\text{V}$
- Current Draw 27mA max

Output Details

- Output Compatibility HCMOS
- Output Load 50pF max
- Rise and Fall time (20% - 80%) 7ns 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 10Hz-2000Hz, 4hrs in 3 mutually perpendicular planes (total 12hrs)
- Storage Temperature Range: -55 to 125°C

Compliance

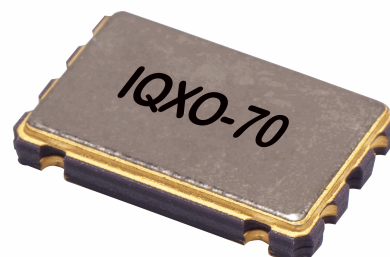
- RoHS Status Compliant
- REACH Status Compliant

Packaging

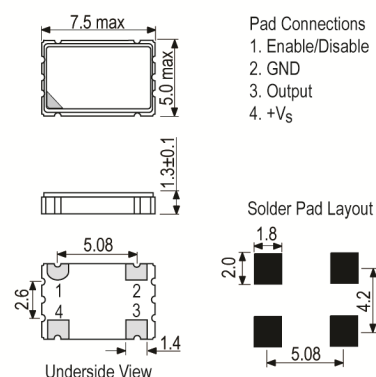
- Pack Type: Reel Tape & reel in accordance with EIA-481-D
- Pack Size 1,000

- Alternative packing option available

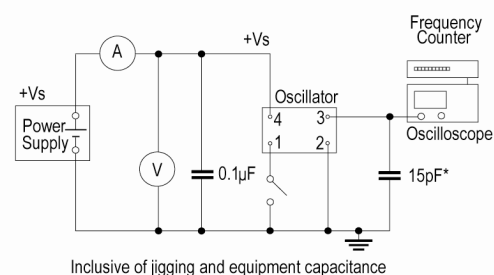
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Outline (mm)



Test Circuit



Sales Office Contact Details:

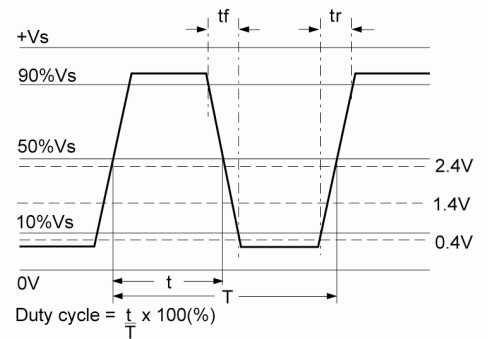
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Wave Form



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