

**Description**

- A standard 5.0V crystal oscillator in an 8-pin DIL hermetically sealed package without a standby function
- Model IQXO-22
- Model Issue number 20

Frequency Parameters

- Frequency 8.0MHz
- Frequency Tolerance @ 25°C INCLUSIVE
- Frequency Stability $\pm 100.00\text{ppm}$
- Operating Temperature Range 0.00 to 70.00°C
- Ageing $\pm 5\text{ppm}$ max per year

Electrical Parameters

- Supply Voltage 5.0V
- Supply Voltage Tolerance $\pm 0.25\text{V}$
- Current Draw 20mA max

Output Details

- Output Compatibility HCMOS/TTL
- Output Load 50pF max or 10TTL
- Rise and Fall time (20% - 80%) 10ns max
- Duty Cycle 45/55%

Environmental Parameters

- Shock: 981m/s², 6ms, 3 times in each of 3 mutually perpendicular planes
- Vibration: 0.76mm displacement, 10Hz-55Hz, 1min in 3 mutually perpendicular planes, duration 2hrs each plane
- Storage Temperature Range: -55 to 125°C
- Solderability: MIL-STD-202E, Method 208C

Compliance

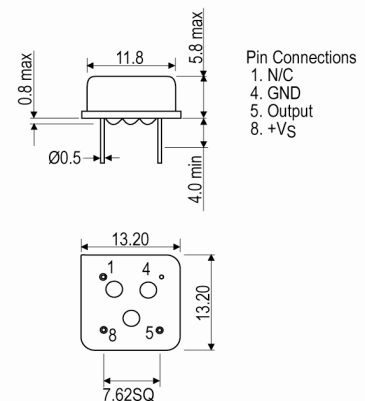
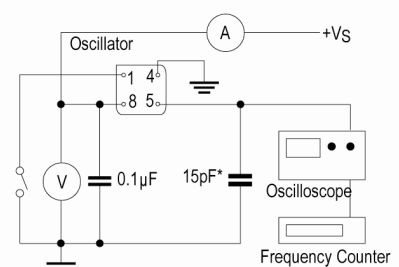
- RoHS Status Compliant
- REACH Status Compliant

Packaging

- Pack Type: Bulk Loose in bulk pack
- Pack Size 40

- Alternative packing option available

This document is correct at the time of printing; please contact your local office for the latest version.

**Outline (mm)****Test Circuit**

*Inclusive of jigging and equipment capacitance

Note: Pin 1 = No connection on non standby option models

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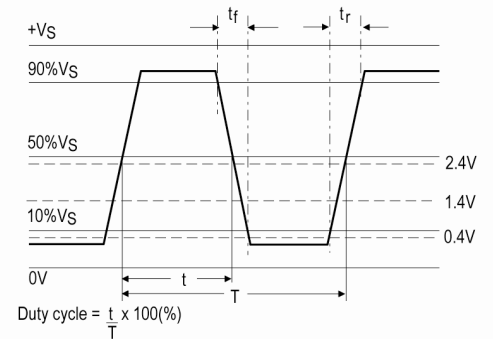
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Wave Form



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