



**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 ±100.00ppm
- Operating Temperature Range 0.00 to 70.00°C
- Ageing ±5ppm max per year

**Electrical Parameters**

- Supply Voltage 5.0V
- Supply Voltage Tolerance ±0.25V
- 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/s<sup>2</sup>, 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**

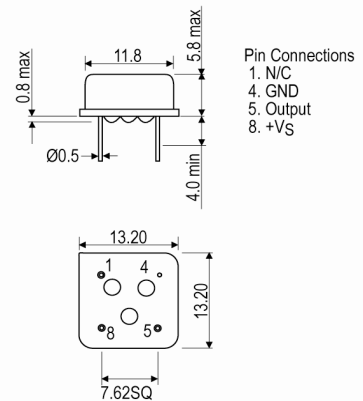
- Pack Type: Bulk Loose in bulk pack
- Pack Size 40

- Alternative packing option available

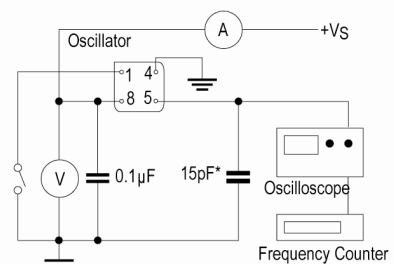
*This document is correct at the time of printing; please contact your local office for the latest version.*



**Outline (mm)**



**Test Circuit**



\*Inclusive of jiggig and equipment capacitance

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

**Sales Office Contact Details:**

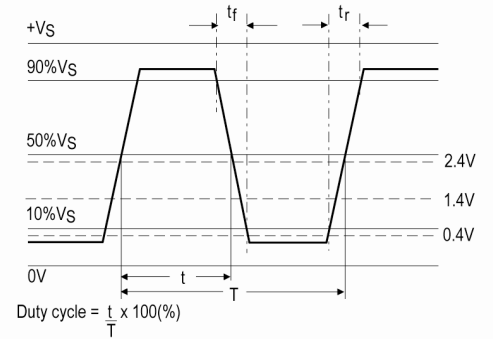
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**Wave Form**



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