



**Description**

- 5 x 3.2mm crystal oscillator  
Ceramic package with a seam sealed metal lid, hermetically sealed
- Model CFPS-9
- Model Issue number 6

**Frequency Parameters**

- Frequency 12.0MHz
- Frequency Stability ±50.00ppm
- Operating Temperature Range -40.00 to 85.00°C
- Ageing ±3ppm max per year @ 25°C

**Electrical Parameters**

- Supply Voltage 3.3V ±0.3V
- Current Draw 20.00mA

**Output Details**

- Output Compatibility CMOS
- Drive Capability 15pF max
- Rise and Fall Time 10ns max
- Duty Cycle 40/60%%

**Output Control**

- Standby Operation:  
Logic '1' (>70% VS) to pad 1 enables oscillator output  
Logic '0' (<30% VS) 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  
Standby Current: 10µA max

**Environmental Parameters**

- Storage Temperature Range: -55 to 125°C
- Shock: MIL-STD-202F, Method 213B: 1000G, 0.5ms, 1/2 sine wave
- Vibration: MIL-STD-202F, Method 204D, Test Condition D: 20G (10Hz-2000Hz), 4hrs in 3 mutually perpendicular planes (total 12hrs)

**Compliance**

- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

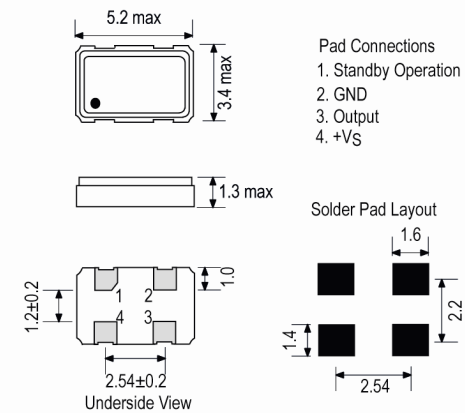
**Packaging Details**

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

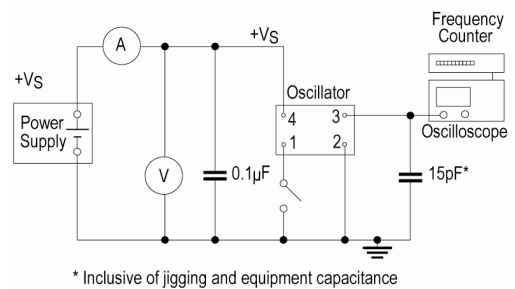
*This document is correct at the time of printing; please contact your local office for the latest version.*



**Outline (mm)**



**Test Circuit**



**Sales Office Contact Details:**

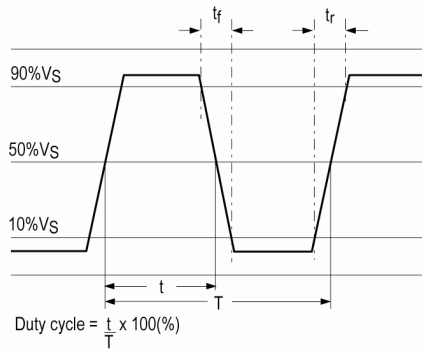
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**Wave Form**



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