



**Description**

- PLL based, one time only factory programmable for a fast lead time  
Crystal oscillator in a hermetically sealed ceramic package with a metal lid
- Model CFPP-12
- Model Issue number 10

**Frequency Parameters**

- Frequency 2.45760MHz
- Frequency Tolerance @ 25°C INCLUSIVE
- Frequency Stability ±50.00ppm
- Operating Temperature Range -40.00 to 85.00°C
- Ageing ±5ppm max in 1st year @ 25°C

**Electrical Parameters**

- Supply Voltage 5.0V
- Supply Voltage Tolerance ±0.5V
- Current Draw 45mA max

**Output Details**

- Output Compatibility CMOS
- Output Load 50pF
- Rise and Fall time (10% - 90%) 4ns max
- Duty Cycle 45/55%
- Logic '1' to pad 1 enables oscillator output  
Logic '0' 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

**Noise Parameters**

- Jitter pk-pk (typical)
 

1 to 33MHz	>33MHz
100ps	75ps

**Environmental Parameters**

- Storage Temperature Range: -55 to 125°C

**Compliance**

- RoHS Status Compliant
- REACH Status Compliant

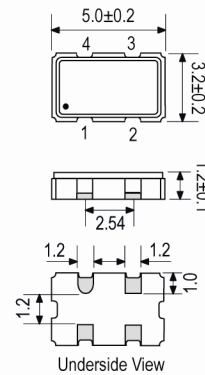
**Packaging**

- Pack Type: Bulk Loose in bulk pack
- Pack Size 1
- Alternative packing option available

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

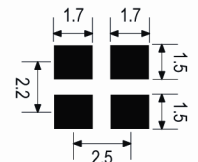


**Outline (mm)**

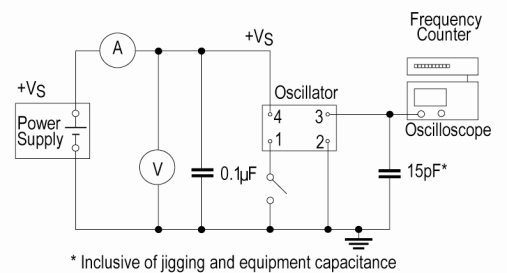


- Pad Connections**
1. N/C or Tri-State
  2. GND
  3. Output
  4. +Vs

**Solder Pad Layout**



**Test Circuit**



**Sales Office Contact Details:**

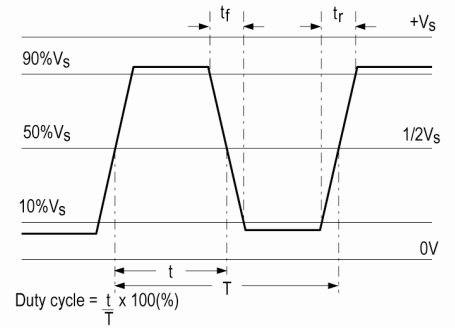
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**Wave Form**



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