


Description

- Standard 5 x 3.2mm crystal oscillator
Ceramic package with a seam sealed metal lid, hermetically sealed
- Model CFPS-37
- Model Issue number 7

Frequency Parameters

- Frequency 50.0MHz
- Frequency Stability ±50.00ppm
- Operating Temperature Range -10.00 to 70.00°C
- Ageing ±3ppm max per year

Electrical Parameters

- Supply Voltage 2.5V ±5%
- Current Draw 20.00mA

Output Details

- Output Compatibility CMOS
- Drive Capability 15pF
- Rise and Fall Time 5.0ns max
- Duty Cycle 45/55%
- Logic '1' (>70% VS) to pad 1 enables oscillator output.
Logic '0' (<30% VS) to pad 1 disables oscillator output and oscillator output goes to the high impedance state.
No connection to pad 1 enables oscillator output.
Standby Current: 10µA max.

Environmental Parameters

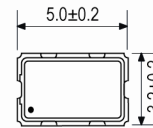
- Shock: MIL-STD-202F, Method 213B: 1000G, 0.5ms, 1/2 sine wave.
- Vibration: MIL-STD-202F, Method 204D, Test Condition D: 20G (10Hz-2000Hz), 4hrs in 3 mutually perpendicular planes (total 12hrs).
- Storage Temperature Range: -55 to 125°C

Compliance

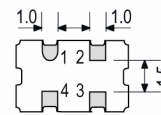
- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

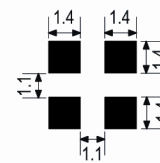
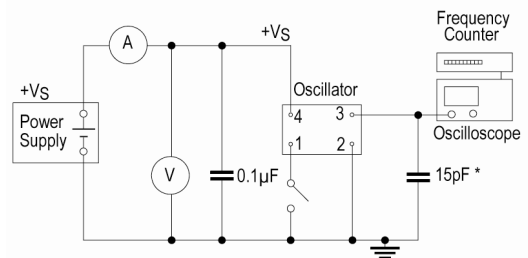
- Pack Style: Reel Tape & reel in accordance with EIA-481-D
Pack Size: 1,000
- *Alternative packing option available*


Outline (mm)


- Pad Connections
1. Standby Operation
 2. GND
 3. Output
 4. +VS



Underside View

Solder Pad Layout

Test Circuit


* Inclusive of jigging & equipment capacitance

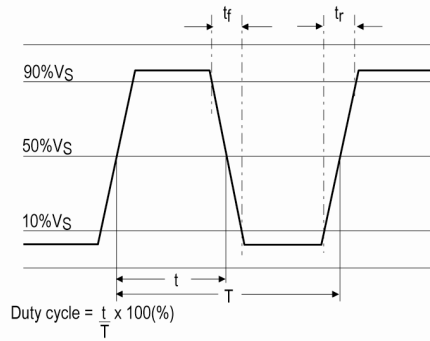
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Wave Form



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