



Description

- Standard 5 x 3.2mm crystal oscillator
- Model CFPS-36
- Model Issue number 4

Frequency Parameters

- Frequency 66.660MHz
- Frequency Stability $\pm 50.00\text{ppm}$
- Operating Temperature Range -10.00 to 70.00°C
- Ageing $\pm 3\text{ppm}$ max per year

Electrical Parameters

- Supply Voltage $1.8\text{V} \pm 5\%$
- Current Draw 15.00mA

Output Details

- Output Compatibility CMOS
- Drive Capability 15pF
- Rise and Fall Time 4.0ns 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 and oscillator output goes to the high impedance state
No connection to pad 1 enables oscillator output
Standby Current: $10\mu\text{A}$ max

Environmental Parameters

- Shock: MIL-STD-883F, 2002.4: 1500G, 0.5ms, 3 times in each of 3 mutually perpendicular planes
- Vibration: MIL-STD-883F, 2007.3: 20G (20Hz-2000Hz), 1.52mm amplitude, 20mins in 3 mutually perpendicular planes (total 4hrs)
- Storage Temperature Range: -55 to 125°C

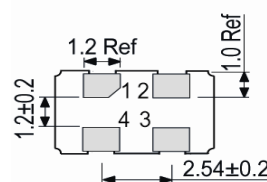
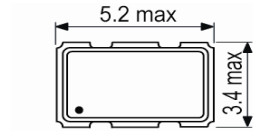
Compliance

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

Packaging Details

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

Outline (mm)

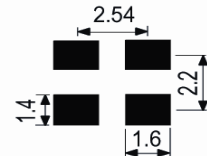


Underside View

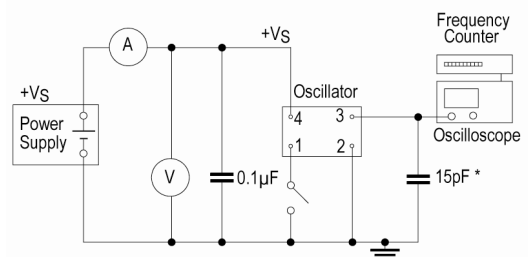
Pad Connections

- Standby Operation
- GND
- Output
- +Vs

Solder Pad Layout



Test Circuit



* Inclusive of jigging & equipment capacitance

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