

Customer Part:

Description

- Ceramic package with a hermetically seam sealed metal lid suitable for automotive applications. Qualified to AEC-Q200 and with IATF-16949:2016 release. Not suitable for safety critical applications.
- Model **CFPS-39 AUTO**
- Model Issue number **2**

Frequency Parameters

- Frequency **27.0MHz**
- Frequency Stability **±100.00ppm**
- Operating Temperature Range **-40.00 to 125.00°C**
- Ageing **±5ppm max per year @ 25°C**

Electrical Parameters

- Supply Voltage **3.3V ±10%**
- Current Draw **12.000mA**

Output Details

- Output Compatibility **CMOS**
- Drive Capability **15pF**
- Rise and Fall Time **5.0ns max**
- Duty Cycle **40/60%**

Output Control

- Enable/Disable Operation:
 Logic '1' (>70% Vs) to pad 1 enables oscillator output.
 Logic '0' (<30% Vs) to pad 1 disables oscillator output; the oscillator output goes to the high impedance state.
 No connection to pad 1 enables oscillator output.
- Standby Current:
 -40 to 85°C: 10µA max
 -40 to 125°C: 20µA max

Environmental Parameters

- Storage Temperature Range: **-55 to 150°C**
- Qualified to AEC-Q200

Manufacturing Details

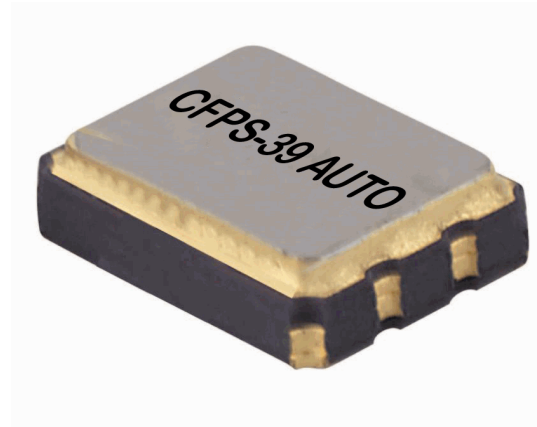
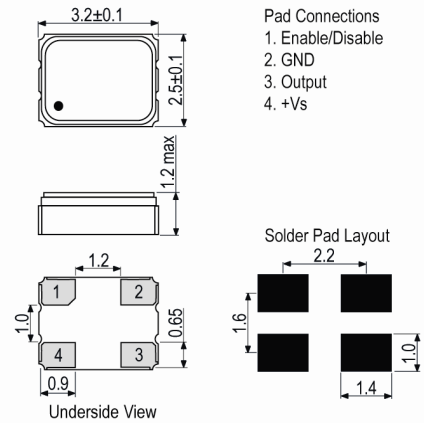
- Maximum Process Temperature: **260°C (10secs max)**
- RoHS Terminations **NiAu**
- RoHS Reflow Temp **260degC 10s**

Compliance

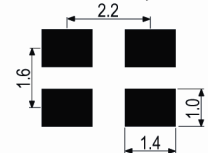
- RoHS Status (2015/863/EU) **Compliant**
- REACH Status **Compliant**
- MSL Rating (JDEC-STD-033): **Not Applicable**

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. Enable/Disable
 2. GND
 3. Output
 4. +Vs

Solder Pad Layout

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