

## Customer Part:



### Description

- Surface mount oscillator in a ceramic package with a hermetically sealed metal lid
- Model: CFPS-32
- Model Issue number: 13

### Frequency Parameters

- Frequency: 40.0MHz
- Frequency Stability:  $\pm 50.00\text{ppm}$
- Operating Temperature Range: -40.00 to 85.00°C

### Electrical Parameters

- Supply Voltage: 2.5V  $\pm 5\%$
- Current Draw: 20.000mA

### Output Details

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

### Output Control

- 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: 10 $\mu$ A max

### Environmental Parameters

- Storage Temperature Range: -55 to 125°C
- Shock: MIL-STD-202, Method 213, Condition E
- Vibration: MIL-STD-883, Method 2007, Condition A

### Manufacturing Details

- RoHS Terminations: NiAu
- RoHS Reflow Temp: 260degC 10s

### Compliance

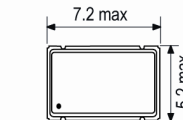
- RoHS Status (2015/863/EU): Compliant
- REACH Status: Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

### Packaging Details

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

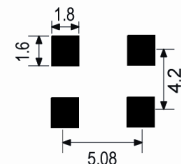


### Outline (mm)

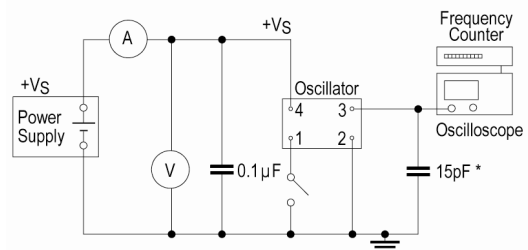


- Pad Connections
- Standby Operation
  - GND
  - Output
  - +VS

### Solder Pad Layout



### Test Circuit



\* Inclusive of jigging and equipment capacitance

### Sales Office Contact Details:

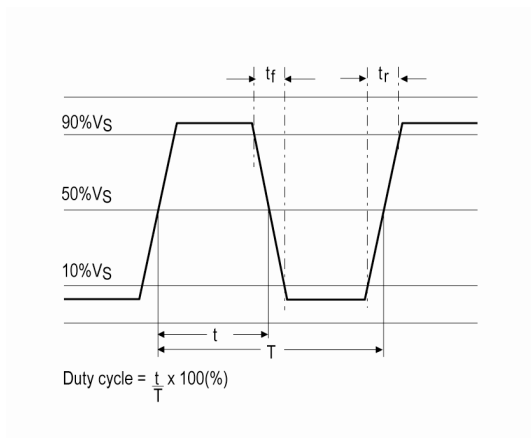
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**Customer Part:**

**Wave Form**



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**Sales Office Contact Details:**

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