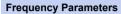


#### **Customer Part:**

## Description

 Standard 7 x 5mm crystal oscillator in a ceramic package with a seam sealed metal lid, hermetically sealed.

Model CFPS-73Model Issue number 14



Frequency
 Frequency Stability
 Operating Temperature Range
 Ageing
 33.0MHz
 ±50.00ppm
 -40.00 to 85.00°C
 ±3ppm per year max

## **Electrical Parameters**

Supply Voltage 3.3V ±10%
 Current Draw 20.000mA
 Note: parameters are referenced to 15pF load

#### **Output Details**

Output Compatibility HCMOS

Drive Capability
 Rise and Fall Time
 Duty Cycle
 15pF std, 50pF max
 10.0ns max
 45/55

Start up time: 10ms max.

0.9ms typ to 90% of final amplitude ( under ideal conditions @  $25^{\circ}\text{C})$ 

## **Output Control**

Standby 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: 10µA max, 0.9µA typ @ 25°C

## **Noise Parameters**

Phase Noise @125MHz (typical):

10Hz -54dBc 100Hz -92dBc 1kHz -130dBc 10kHz -149dBc 100kHz -159dBc 1MHz -163dBc

RMS Phase Jitter @125MHz: 52fs typical

#### **Environmental Parameters**

Shock: MIL-STD-202, Method 213, Condition E

Vibration: MIL-STD-883, Method 2007, Condition A

Storage Temperature Range: -55 to 125°C

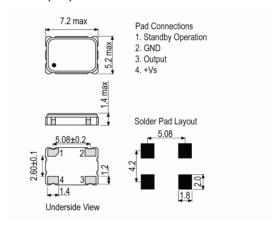
#### **Manufacturing Details**

RoHS Terminations NiAuRoHS Reflow Temp 260degC 10s

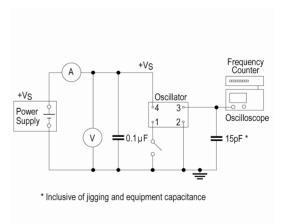




#### Outline (mm)



#### **Test Circuit**



#### **Sales Office Contact Details:**

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### **Customer Part:**

## Compliance

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

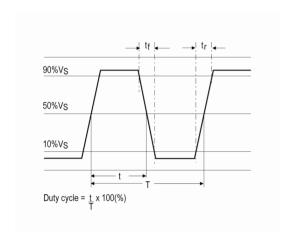
## **Packaging Details**

Pack Style: Bulk Loose in bulk pack

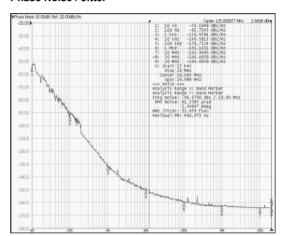
Pack Size: 100

Alternative packing option available

#### **Wave Form**



### Phase Noise / Jitter



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**Authorized Distributor** 

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