

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 Parameters

Frequency
Frequency Stability
Operating Temperature Range
Ageing
1.84320MHz
±100.00ppm
0.00 to 70.00°C
±3ppm per year max

Electrical Parameters

Supply Voltage 3.3V ±10%
Current Draw 7.000mA
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° 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

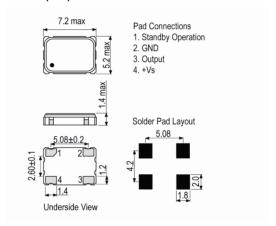
Manufacturing Details

RoHS Terminations NiAuRoHS Reflow Temp 260degC 10s

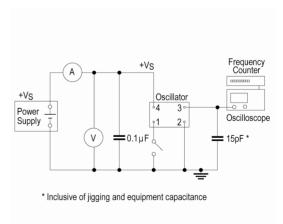




Outline (mm)



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

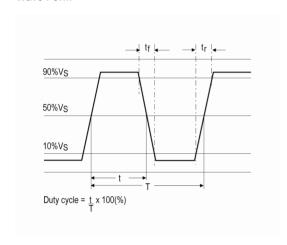
Packaging Details

■ Pack Style: Reel Tape & reel in accordance with EIA-481-D

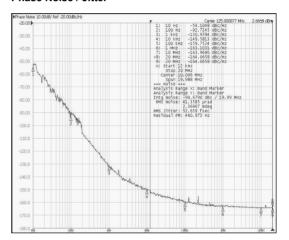
Pack Size: 1,000

Alternative packing option available

Wave Form



Phase Noise / Jitter



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

IQD Frequency Products:

LFSPXO020733Reel