

SIMPLE PACKAGED CRYSTAL OSCILLATOR

Part Number: 830206600701 | CFPS-36

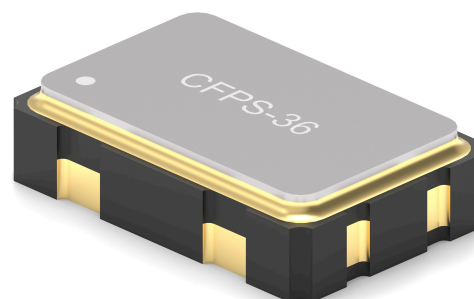
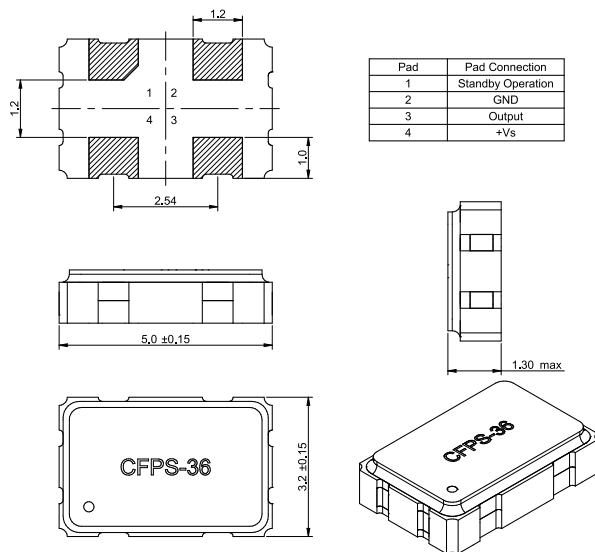
AKA Number: LFSPX0066007



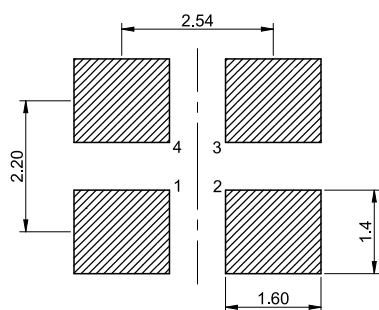
General Information

Standard 5 x 3.2mm crystal oscillator in a Ceramic package with a seam sealed metal lid, hermetically sealed.

Dimensions [mm]



Recommended Land Pattern [mm]



Frequency Parameters

Frequency	25.0 MHz
Frequency Tolerance	INCLUSIVE
Frequency Stability	± 50 ppm
Operating Temperature	-40 °C to 85 °C
Ageing	± 3 ppm max first year

Electrical Parameters

Supply Voltage	1.8 V ± 5 %
Current Consumption	6 mA max.
Rise Time tr	5 ns max.
Fall Time tf	5 ns max.
Duty Cycle	40/60 %

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Output Details

Output Compatibility	CMOS
Drive Capability	15 pF

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 µA max

Material Parameters

Termination Finish	Ni Au
Moisture Sensitivity Level (MSL)	Not Applicable

Manufacturing Details

Reflow: 255 °C to 260 °C max for 30s max.

Company Address

IQD Frequency Products Ltd.
Station Road
Crewkerne
Somerset
TA18 8AR, United Kingdom

Environmental Parameters

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

Technical Standards

RoHS Status	2015/863/EU - Compliant
REACH Status	(EC)1907/2006 - Compliant

Packaging Details

Packaging SPQ	Tape & Reel 1000 pcs
Tape & reel in accordance with EIA-481	