chanhvinh.com

Quartz Crystal Specification

IQD Part No. + Packaging: LFXTAL082084RL3K
Würth Part No. ***830108208409***

Description

- 2.5 x 2mm SMD crystal in a hermetically sealed ceramic package with a seam sealed metal lid.
- Model: CFPX-218
- Model Issue number: 4



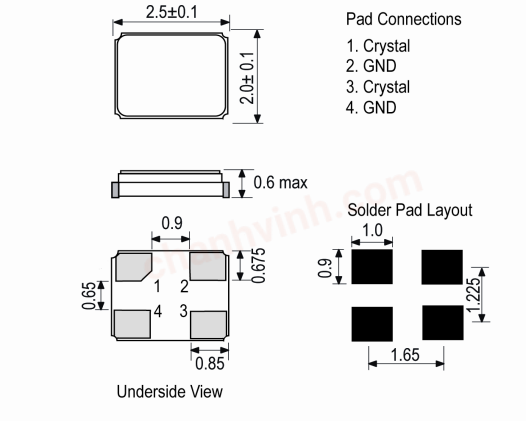
Frequency Parameters

- Frequency: 27.0MHz
- Frequency Tolerance: ±10.00ppm
- Tolerance Condition: @ 25°C
- Frequency Stability: ±10.00ppm
- Operating Temperature Range: -20.00 to 70.00°C
- Overtone Order: Fundamental
- Ageing: ±3ppm max per year @ 25°C

Electrical Parameters

- Load Capacitance (CL): 10.00pF
- Shunt Capacitance (C0): 5pF max
- Drive Level: 100µW max
- ESR: 100.00Ω max

Outline (mm)



Environmental Parameters

- Storage Temperature Range: -55 to 125°C
- Drop: 100cm drop (3 times) onto hard wooden board.
- Vibration: MIL-STD-883F, Method 2007.3: 20G (20Hz-2000Hz), 1.52mm amplitude, 20mins in 3 mutually perpendicular planes (total 4hrs).

Manufacturing Details

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

Compliance

- RoHS Status (2011/65/EU): Compliant
- REACh Status: Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

- Pack Style: RL3K Tape & reel in accordance with EIA-481-D
  Pack Size: 3,000
- *Alternative packing option available*

USEFUL LINKS

Toolbox:
www.we-online.com/toolbox

Product Catalog:
www.we-online.com/products

CONTACT INFORMATION:
Würth Elektronik eiSos GmbH & Co. KG
Max-Eyth-Str. 1, 74638 Waldenburg, Germany
Tel: +49(0) 7942 945-0

Email: eiSos@we-online.de
Web: www.we-online.com