WATCH CRYSTAL

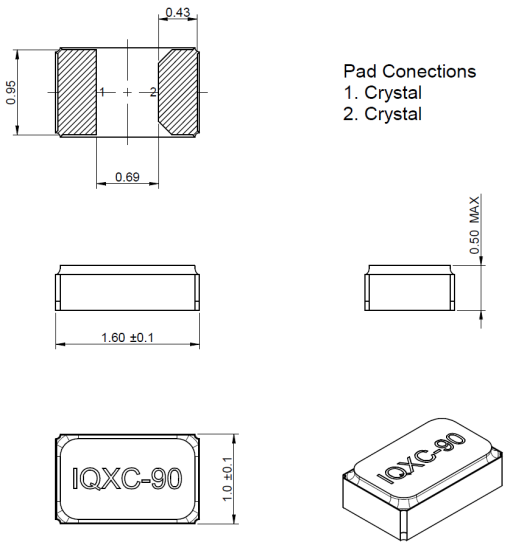
Part Number: 830066198 | IQXC-90

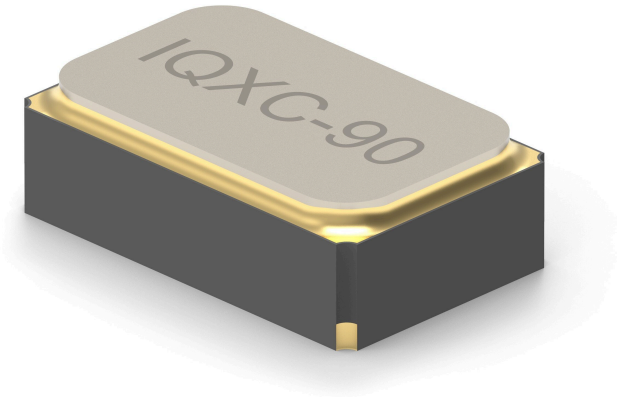
AKA Number: LFXTAL066198

General Information

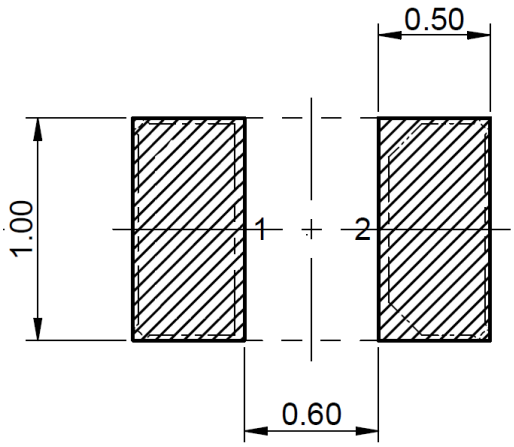
1.6 x 1.0mm SMD crystal in a hermetically sealed ceramic package.
Suitable for real time clock applications.

Dimensions [mm]





Recommended Land Pattern [mm]



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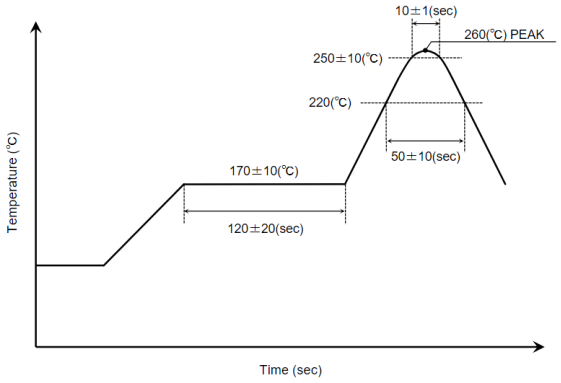
Frequency Parameters

Frequency	32.7680 kHz
Frequency Tolerance	± 20 ppm @ 25 °C ±5 °C
Operating Temperature	-40 °C to 85 °C
Overtone Order	Fundamental
Ageing	± 3 ppm max in 1st year @ 25 °C ± 3 °C
Frequency Stability Coefficient: -0.036 ppm/°C² ±10 %	

Material Parameters

Moisture Sensitivity Level (MSL)	Not Applicable

Solder Reflow Graph



Note:
(1) The temperature used herein means the temperature on the circuit board.
(2) Reflow is permitted 2 times.

Electrical Parameters

Load Capacitance C_L	9 pF
Shunt Capacitance C_0	1.2 pF typ.
Drive Level	500 nW max.
ESR	90000 Ω max.

Environmental Parameters

Storage Temperature Range:	-55 °C to 125 °C

- Drop: 100 g dummy, 150 cm drop (3 directions x 10 times) onto concrete.
- Vibration: 1.5 mm amplitude, 10 Hz - 60 Hz, 15 mins in 3 mutually perpendicular planes, duration 2 hrs each plane.

Technical Standards

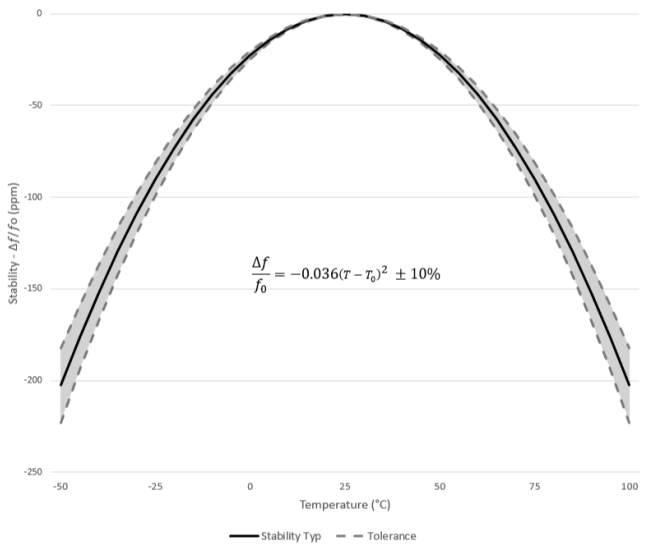
RoHS Status	2015/863/EU - Compliant
REACH Status	Compliant

Packaging Details

Packaging SPQ	Tape & Reel 5000 pcs

- Tape & reel in accordance with EIA-481
- Quantities below the standard reel size to be supplied on cut tape.

Stability vs. Temperature



Company Address

Würth Elektronik eiSos GmbH & Co. KG

EMC & Inductive Solutions

Max-Eyth-Str. 1

74638 Waldenburg

Germany

Tel. +49 (0) 79 42 945 - 0

www.we-online.com

eiSos@we-online.com