

WX12L Series

1.2. x 1.0mm Watch crystal

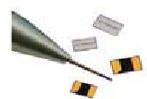


RoHS & REACH compliant

Vacuum sealed miniature ceramic package for excellent stability

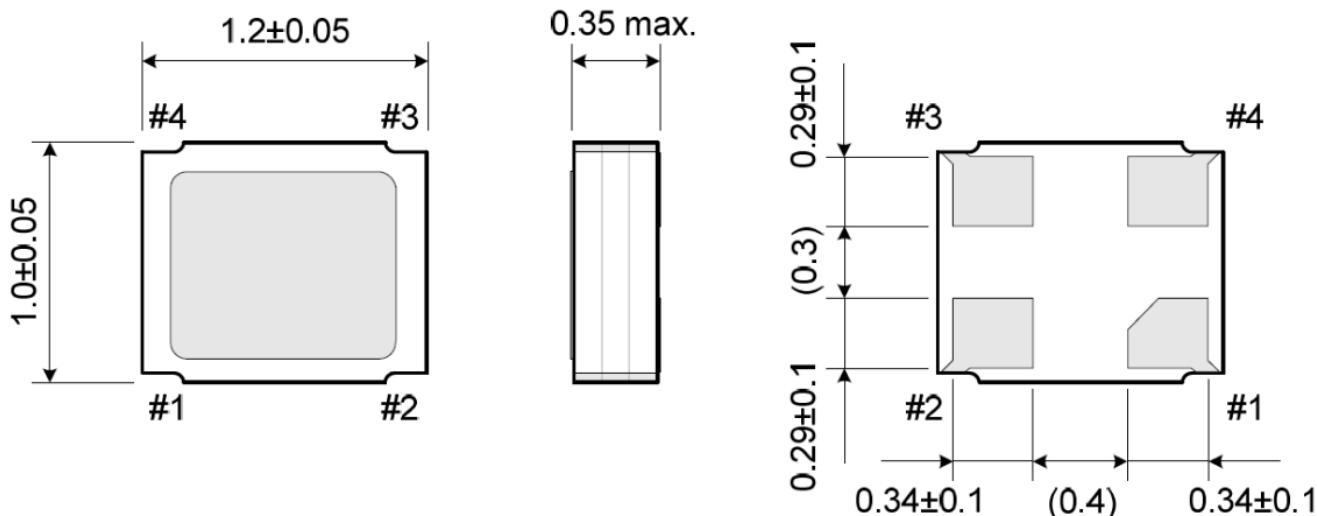
Low power consumption

Suitable for UAVs and Drones



Parameters	Specification	Remarks
Frequency	F_nom	32.768kHz
Frequency tolerance	F_tol	$\pm 20\text{ppm}$
Operating temperature range	T_use	-20°C ~ +70°C
Operable temperature range	T_stg	-40°C ~ +85°C
Temperature coefficient	K	-0.03ppm/°C ² ± 0.01ppm/°C ²
Turnover temperature	Ti	25°C ± 5°C
Load capacitance	CL	12.5pF
Equivalent series resistance	ESR	90KΩ max
Shunt capacitance	C0	1.5pF max
Drive level	DL	0.1μW typical, 0.5μW max

Dimensions (mm)



Part number generation

WXL	00003	G	D	H	H	-PF
ACT Series Code	Frequency (KHz)	Frequency Tolerance (±ppm)	Operating Temperature Range (°C)	Load capacitance (CL)	Packaging (Tape & Reel)	RoHS
WXL	32.768kHz = 00003	±20 = G	-20 ~ +70 = D	12.5pF = H	Loose/Sample = L 5000pcs = H	RoHS = -pF

Note: It is important to suffix the above part number with full frequency required to give a completed part number as illustrated below.

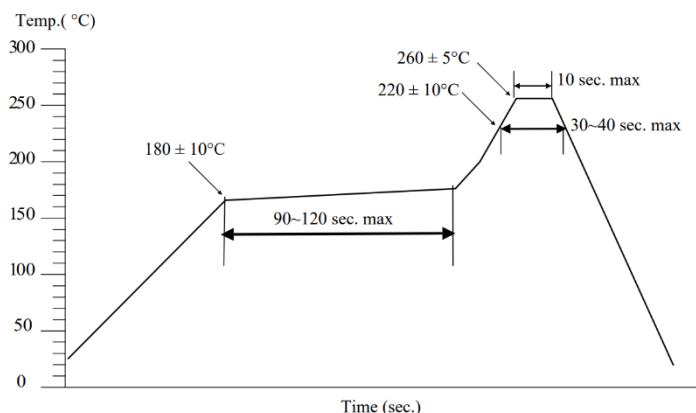
Full Example Part Number : **WXL00003GDHH-PF (32.768kHz)**

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1.2 x 1.0mm Watch crystal

Reflow profile



Drawing control: (Internal use only)

Commodity code: 854 160 00 00

Issue number: N1

Date: 03/12/2025

Internal reference: H3