

WX16S Series

1.6 x 1.0mm Watch crystal

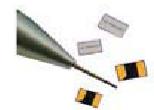


RoHS & REACH compliant

Vacuum sealed miniature ceramic package for excellent stability

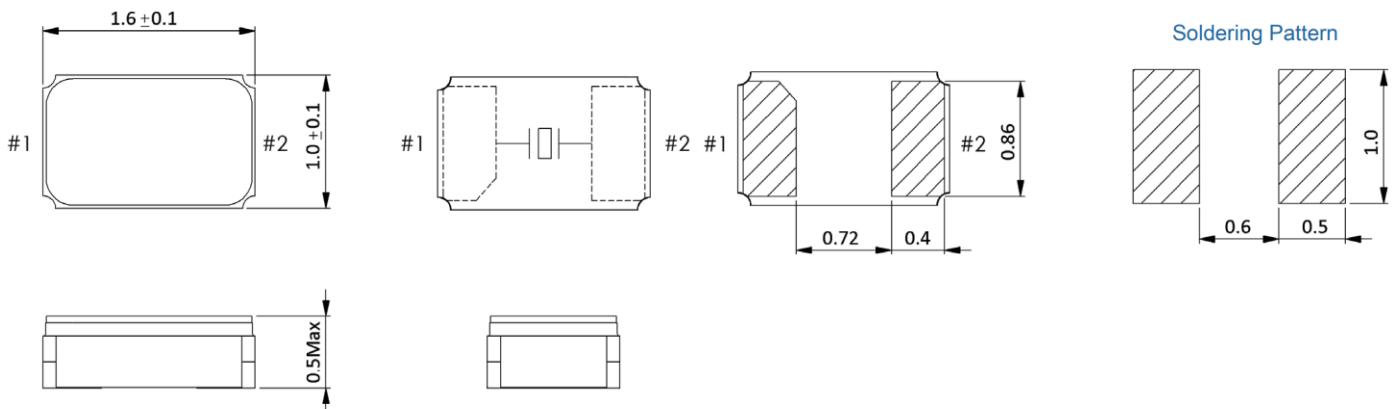
Low power consumption

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_{opr}	-40°C ~ +85°C	
Temperature coefficient	K	-0.045ppm/°C ² Max	
Turnover temperature	T_i	25°C ± 5°C	
Load capacitance	CL	12.5pF	Please enquire for other values
Equivalent series resistance	ESR	90kΩ max	
Shunt capacitance	C_0	2.0pF max	
Drive level	DL	0.1μW typical, 0.5μW max	

Dimensions (mm)



Part number generation

WXS	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
WXS	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.

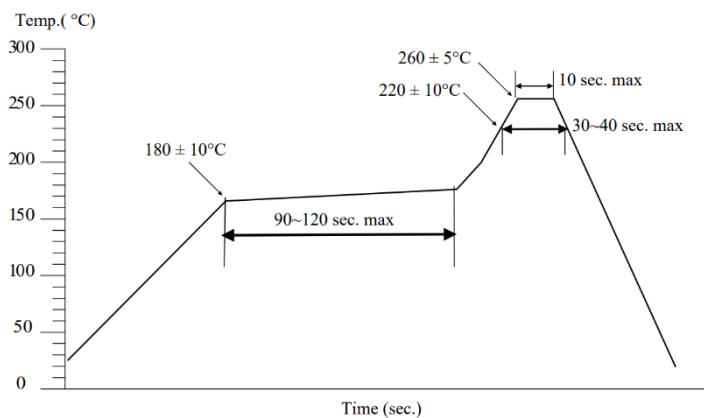
Full Example Part Number : **WXS00003GDHH-PF (32.768kHz)**

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1.6 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