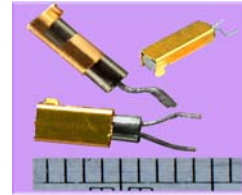


ACTJ206SMX (S / L)

The ACTJ206SMX is a miniature surface mount Watch Crystal in a cylindrical package offering high vibration and shock resistance together with high stability. The cylinder is enclosed in a squared outer case to assist with ease of handling. It is very suitable for portable equipment and close packing density requirements. There are two preformed lead versions, 'S' & 'L', please refer to 'Dimensions'.

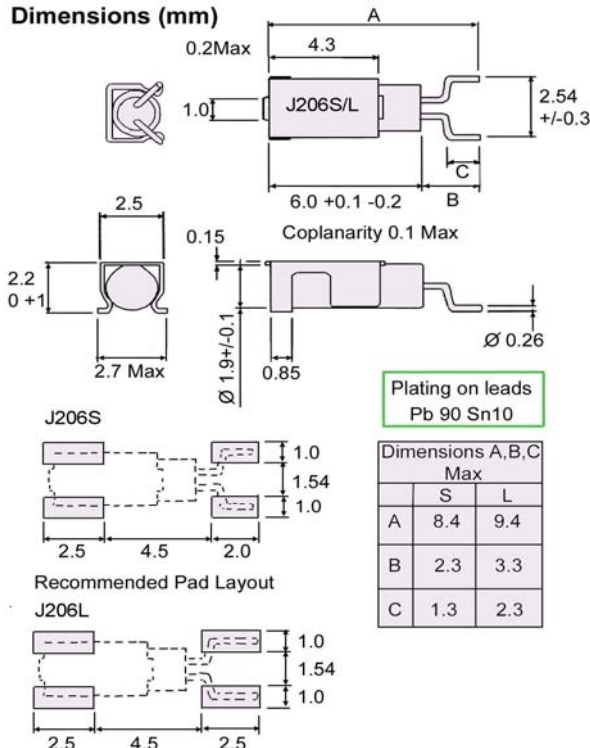
The product is available taped and reeled on 3000 piece reels for S or L versions . **Please specify 'S' or 'L' version when ordering.**

Compatible with Eu Directive 2002/95/EC - RoHS
 Contains Pb>85% high melting point solder exempted from Article 4(1) of the directive



Specification

Parameter	Symbol	Specification	condition
J206L/J206S			
Nominal Frequency	fo	32.768KHz	
Frequency Tolerance	$\Delta f/fo$	± 20 ppm	@25°C
Frequency v Temperature	$\Delta f/fo$	Please refer to page 2	
Turnover Temperature	Tm	25°C ± 5 °C	
Temperature Coefficient	β	-0.037ppm/ °C ² Typ	
Temp Operating Range	Topr	-40 ~ +85°C	
Temp Storage Range	Tstg	-40 ~ +85°C	
Equivalent Series Resistance	ESR	50K Ω max	
Load Capacitance	CL	12.5pF	
Shunt Capacitance	C0	1.6pF Typical	
Drive Level	DL	1 μ W max	
Insulation Resistance	IR	500M Ω @ 100VDC min	
Aging	Fa	± 5 ppm max	First year, 25°C ± 3 °C
Reflow		Please refer to page 2	



Please note that all parameters can not necessarily be specified in the same device
 Customer to specify : 'S' or 'L' version when ordering.

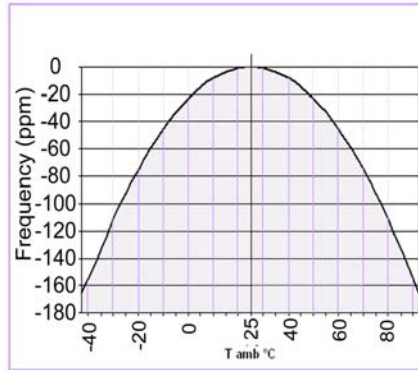
In line with our ongoing policy of product evolution and improvement, the above specification may subject to change without notice

ISO9001:2000 Registered

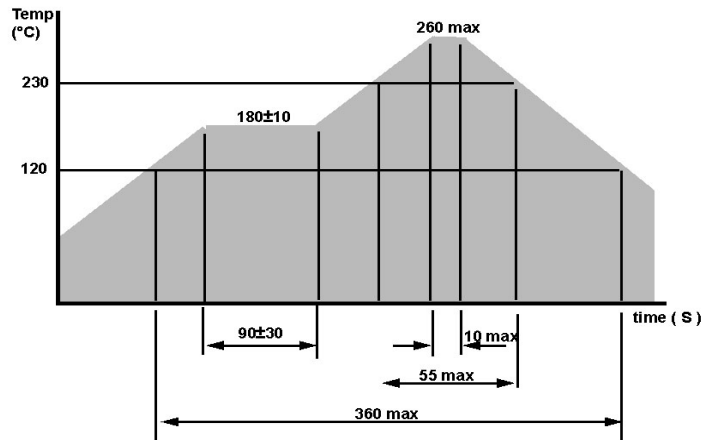
For quotations or further information please contact us at:
 3 The Business Centre, Molly Millars Lane, Wokingham, Berkshire, RG41 2EY, UK
<http://www.actcrystals.com>

ACTJ206SMX (S / L) continued

Stability over temperature

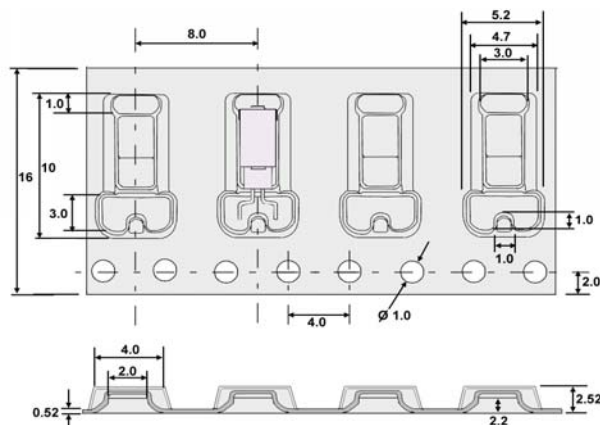


Recommended maximum re-flow profile



Tape Dimensions (mm)

J206 S/L Standard reel size 3K per reel



In line with our ongoing policy of product evolution and improvement, the above specification may subject to change without notice

ISO9001:2000 Registered

For quotations or further information please contact us at:

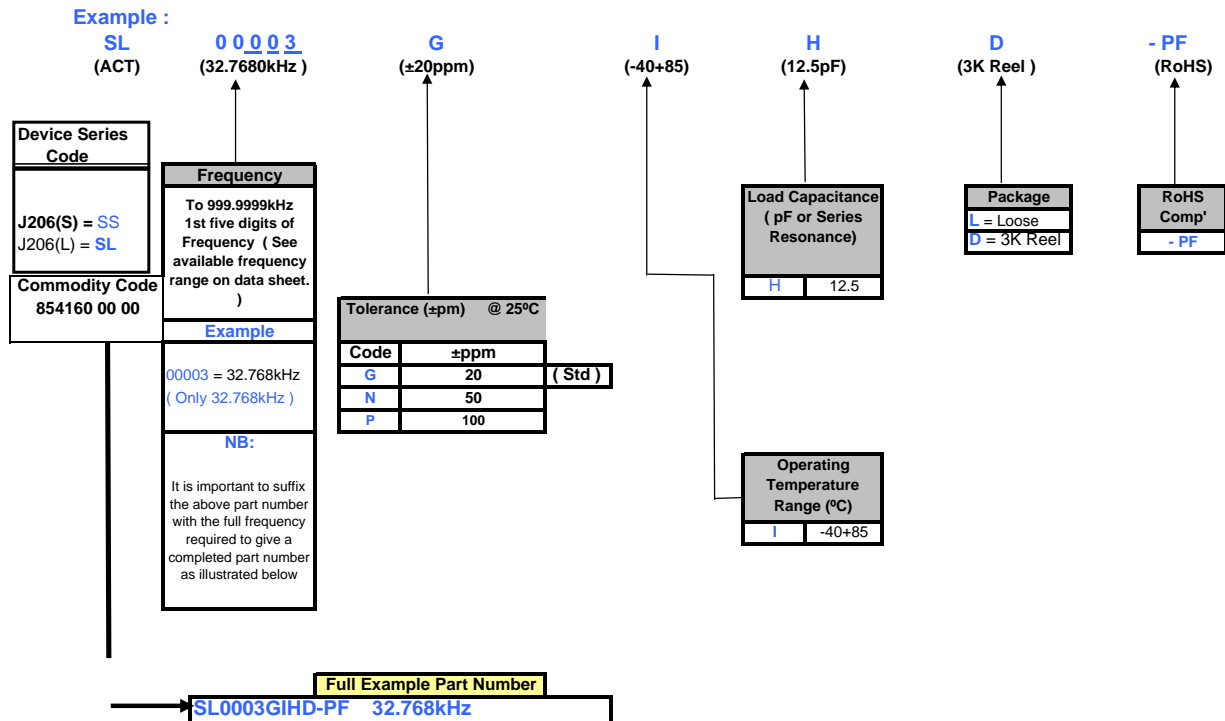
3 The Business Centre, Molly Millars Lane, Wokingham, Berkshire, RG41 2EY, UK

<http://www.actcrystals.com>

Issue: 5 M4B

Date: 31-05-2012

ACT WATCH CRYSTALS (32.768kHz) - PART NUMBERING



NOTES :

- 1) Other Tolerances, CL's and other Operating Temperature Ranges may be available.

- 2) ACT are always happy to consider truly custom specification parts which may require non-standard specification parameters, specific testing, customer requested AQL requirements, non standard packaging or taping and reeling and custom marking. (MOQ DEPENDENT) Such devices would normally be allocated a custom specification (An ACT200A device may have a part number such as EK00003C-.....)

- 3) Stability Over Operating Temperature (°C) please refer to the data.