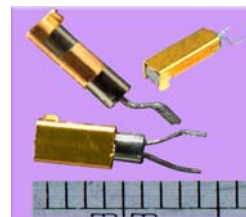


## ACTJ206SMX ( S / L / N )

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' and a smaller version 'N', please refer to 'Dimensions'.

The product is available taped and reeled on 3000 piece reels for S or L versions and 5000 piece reels for N versions. **Please specify 'S', 'L' or 'N' version when ordering.**

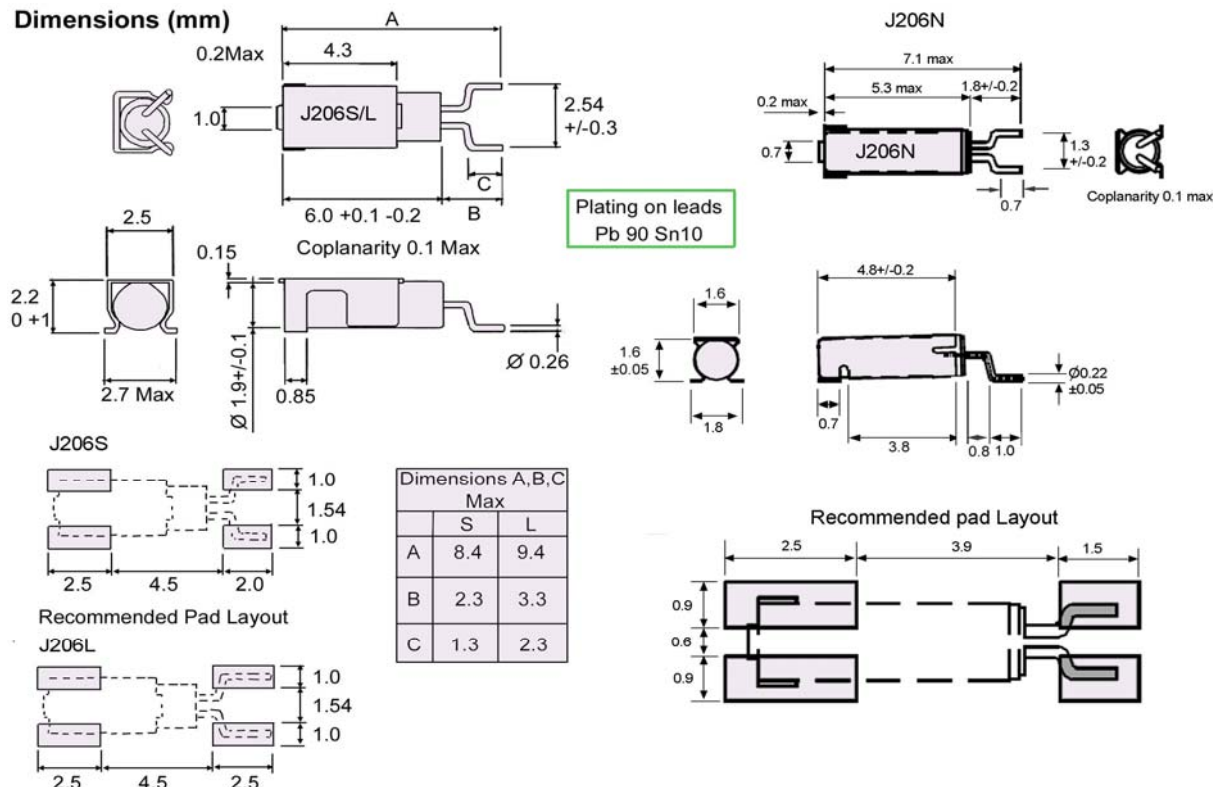
Compatible with Eu Directive  
 2002/95/EC - RoHS  
 Contains Pb>85% high melting  
 point solder exempted from  
 Article 4(1) of the directive



### Specification

Parameter	Symbol	Specification		condition
		J206L/J206S	J206N	
Nominal Frequency	$f_0$	32.768KHz		
Frequency Tolerance	$\Delta f/f_0$	$\pm 20$ ppm		@25°C
Frequency v Temperature	$\Delta f/f_0$	Please refer to page 2		
Turnover Temperature	$T_m$	25°C $\pm 5$ °C		
Temperature Coefficient	$\beta$	-0.037ppm/°C <sup>2</sup> Typ		
Temp Operating Range	$T_{opr}$	-40 ~ +85°C		
Temp Storage Range	$T_{stg}$	-40 ~ +85°C	-50 ~ +125°C	
Equivalent Series Resistance	ESR	50K $\Omega$ max	55K $\Omega$ max	
Load Capacitance	CL	12.5pF		
Shunt Capacitance	C0	1.6pF Typical	0.9pF Typical	
Drive Level	DL	1 $\mu$ W max		
Insulation Resistance	IR	500M $\Omega$ @ 100VDC min		
Aging	Fa	$\pm 5$ ppm max	$\pm 3$ ppm max	First year, 25°C $\pm 3$ °C
Reflow		Please refer to page 2		

### Dimensions (mm)



Please note that all parameters can not necessarily be specified in the same device

Customer to specify : 'S', 'L' or 'N' 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

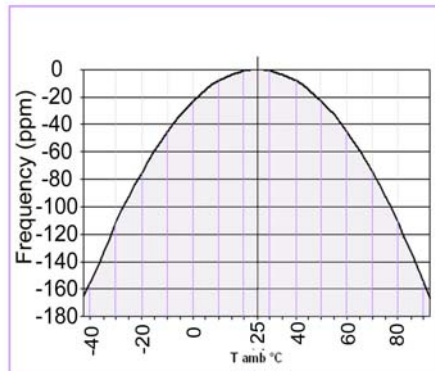
For quotations or further information please contact us at:  
 3 The Business Centre, Molly Millars Lane, Wokingham, Berkshire, RG41 2EY, UK

<http://www.actcrystals.com>

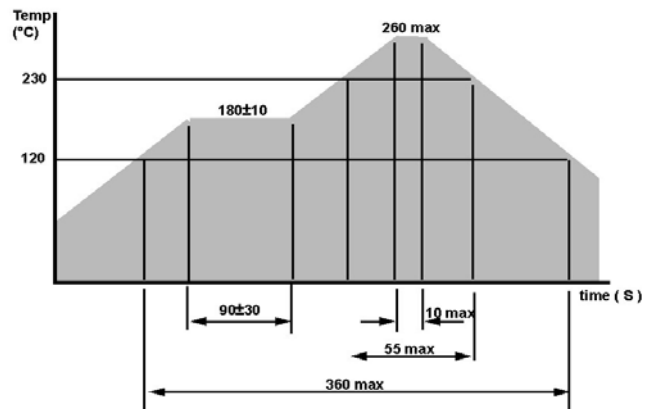
Issue: 2 M4B  
 Date: 23/03/07

## ACTJ206SMX ( S / L / N ) continued

### Stability over temperature

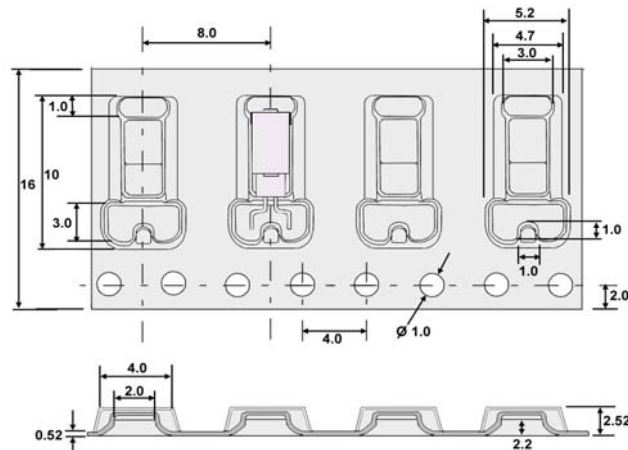


### Recommended maximum re-flow profile

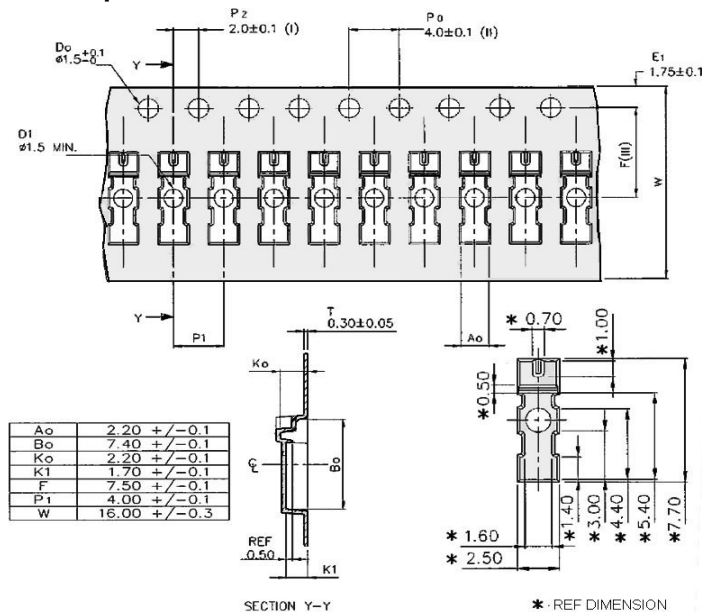


### Tape Dimensions (mm)

J206 S/L Standard reel size 3K per reel



J206 N Standard reel size 5K per reel



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