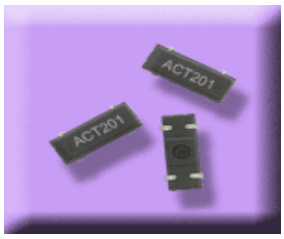
Tel: 0044 (0)118 979 1238
Fax: 0044 (0)118 979 1283
E-mail: info@actcrystals.com

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

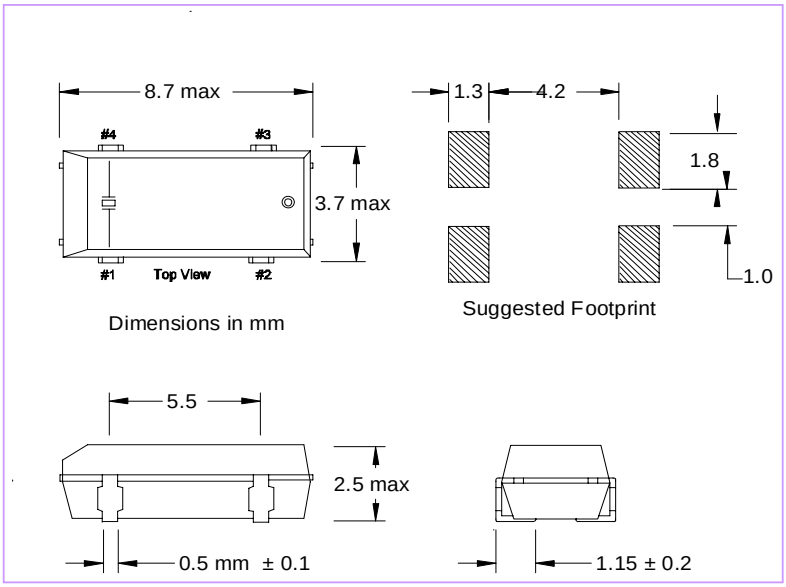
ACT201

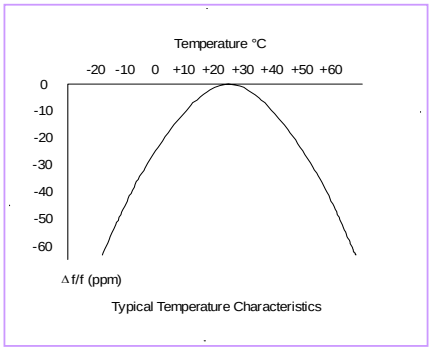
The ACT201 is a miniature surface mount Watch Crystal whose low power consumption makes it ideal for portable applications. It's size makes it suitable for high density circuit boards or applications where space is limited and the tape and reel packaging means that it is ideal for automatic placement machines.
The heart of the device is a heat resistant cylinder type crystal which gives it high stability characteristics sufficient to allow reflow soldering. The epoxy based encapsulation makes it less porous than the ACT200 and, therefore, better suited to post reflow washing



Specification

Parameter	Symbol	Specification	Condition
Nominal Frequency	fo	32.768KHz	
Frequency Tolerance	Δf/fo	±20ppm	@25°C
Frequency v Temp Characteristics	Δf/fo	See drawing	-10 ~ +60°C
Turnover Temperature	Tm	25°C ±5°C	
Freq. Temp. coefficient	β	(3.5 ±0.8) x 10-8/°C² max	
Temp Operating Range	Topr	-40 ~ +85°C	
Temp Storage Range	Tstg	-55 ~ +125°C	
Equivalent Series Resistance	ESR	50KΩ max	@25°C
Shunt Capacitance	Co	1.0pF Typical	
Load Capacitance	CL	12.5pF	
Motional Capacitance	C1	2.1fF Typical	
Drive Level	DL	1μW max	
Insulation Resistance	IR	500MΩ min	@DC100v
Aging (first year)	Fa	±5ppm	@25°C





Please note that all parameters can not necessarily be specified in the same device
Customer to specify : Frequency Tolerance, Load Capacitance, Operating Temperature Range & Storage Temperature Range

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

ISO9001:2000 Registered

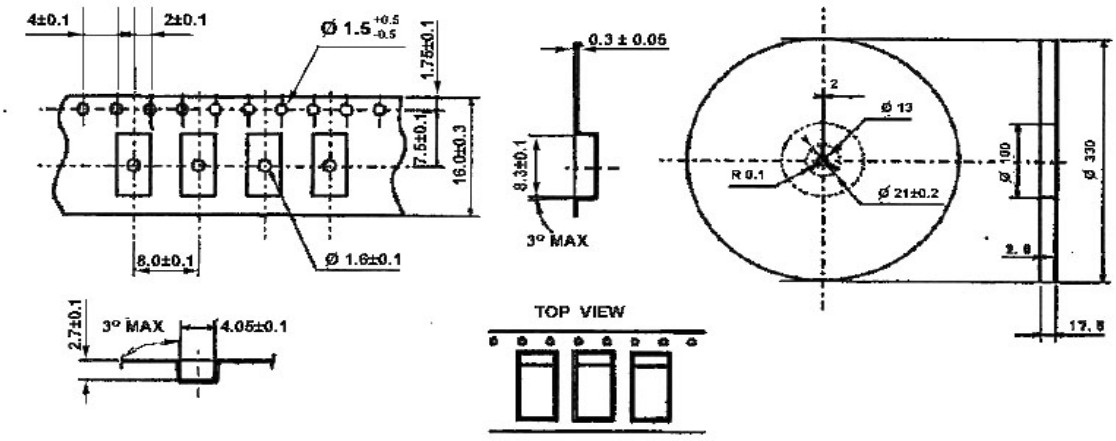
For quotations or further information please contact us at:
3 The Business Centre, Molly Millars Lane, Wokingham, Berkshire, RG41 2EY, UK
http://www.actcrystals.com

Issue : 4 I3
Date : 17/08/04

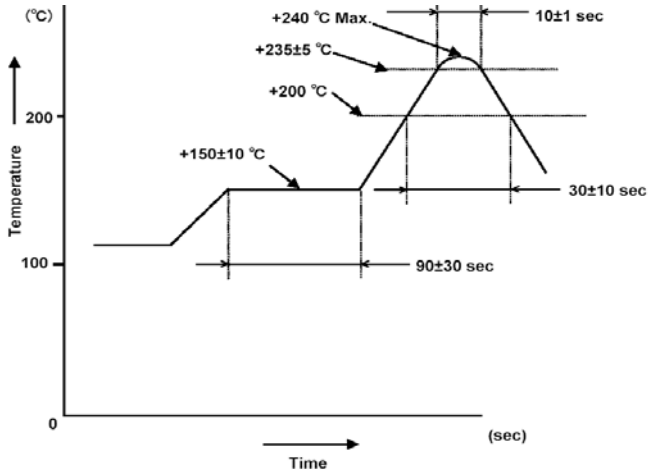
Tel: 0044 (0)118 979 1238
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E-mail: info@actcrystals.com

ACT 201 TAPE AND REEL

Tape and Reel
3,000 pcs per Reel
Conforming to
JIS C0806 TB1608L & R16D
(EIAJ RC1088 TE1608L & R33)



ACT 201 REFLOW DIAGRAM



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

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