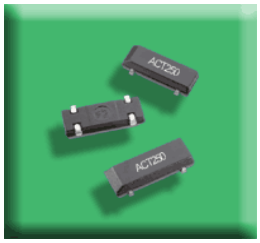
Tel : 0044 (0)118 979 1238
Fax : 0044 (0)118 979 1283
email : info@actcrystals.com

ACT250SMX-4

Compatible with Eu Directive 2002/EC - RoHS

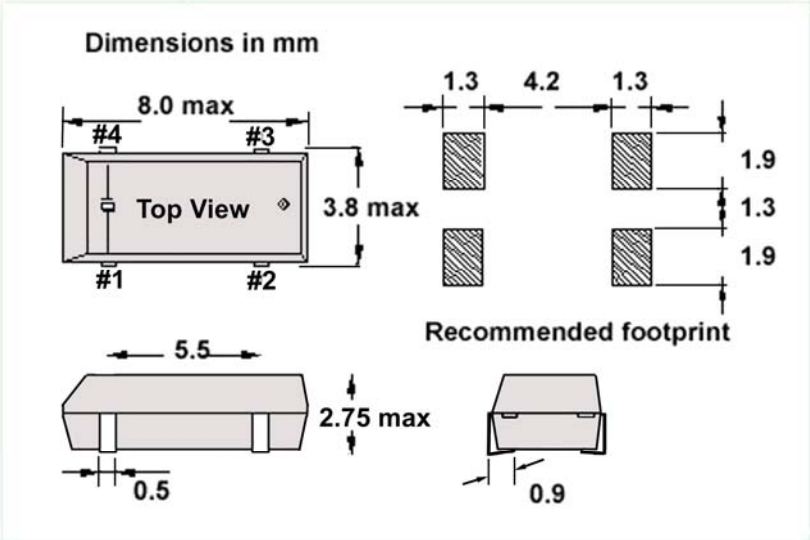
The **ACT250SMX-4** is an ultra miniature surface mount Crystal whose low power consumption makes it ideal for portable applications. It's size makes it suitable for high density circuit boards or applications where space is limited and the tape and reel packaging means that it is ideal for automatic 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.

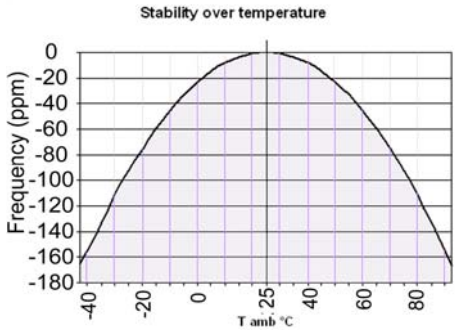


Specification

Parameter	Symbol	Specification	Condition
Frequency Range	fo	30.00 ~ 200KHz	Please specify
Frequency Tolerance	Δf/fo	±10ppm ~ 100ppm	Please specify
Frequency v Temp Characteristics	Δf/Fo	See drawing	-10 ~ +60°C
Turnover Temperature	Tm	25°C ±5°C	
Freq. Temp. coefficient	β	-0.04ppm / °C² max	
Temp Operating Range	Topr	-10 ~ +60°C std (-40 ~ +85°C available)	Please specify
Temp Storage Range	Tstg	-20 ~ +70°C std	Others available, please enquire.
Equivalent Series Resistance	ESR	50kΩ max**	@ 25°C
Shunt Capacitance	C0	2.0pF max	
Load Capacitance	CL	10 ~ 25.0pF	Please specify.
Motional Capacitance	C1	4.0 fF max	
Drive Level	DL	1.0μ W max	
Insulation Resistance	IR	500MΩ Min	
Soldering reflow		see diagram: page 2	
Aging (first year)	Fa	±5ppm / first year	25°C ±3°C

** For the ESR specification on specific frequencies please enquire.





Pad Surface Material Sn/Cu

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

Customer to specify : Frequency, Frequency tolerance, Operating Temperature, Load capacitance

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

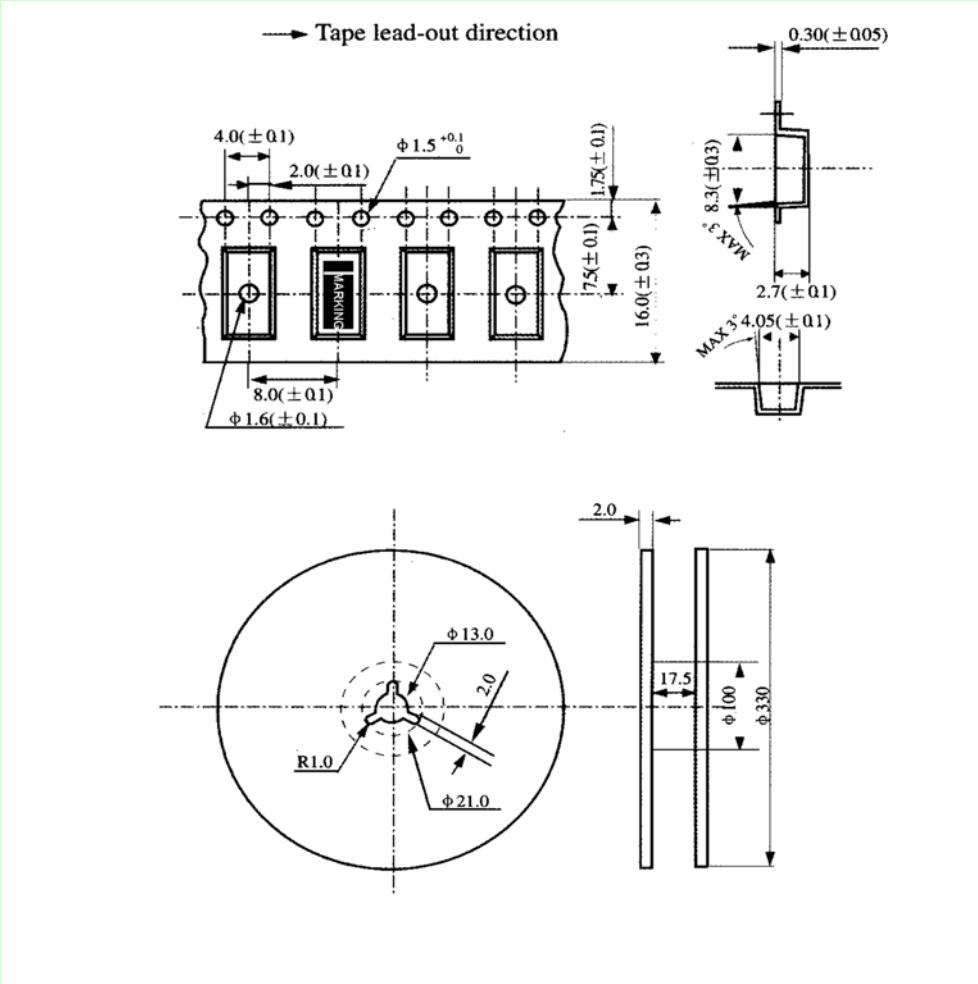
Issue : 6 C1b
Date : 8-11-2006

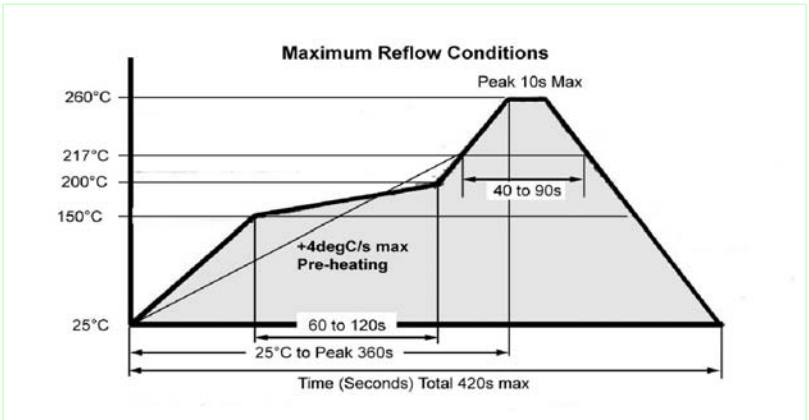
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ACT250SMX-4

TAPE AND REEL DIMENSIONS (mm)

Standard Reel Size 2000 pieces





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