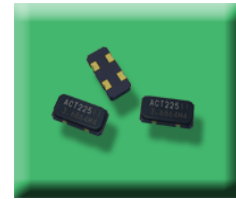


ACT225SMX-4

Compatible with Eu Directive
2002/EC - RoHS



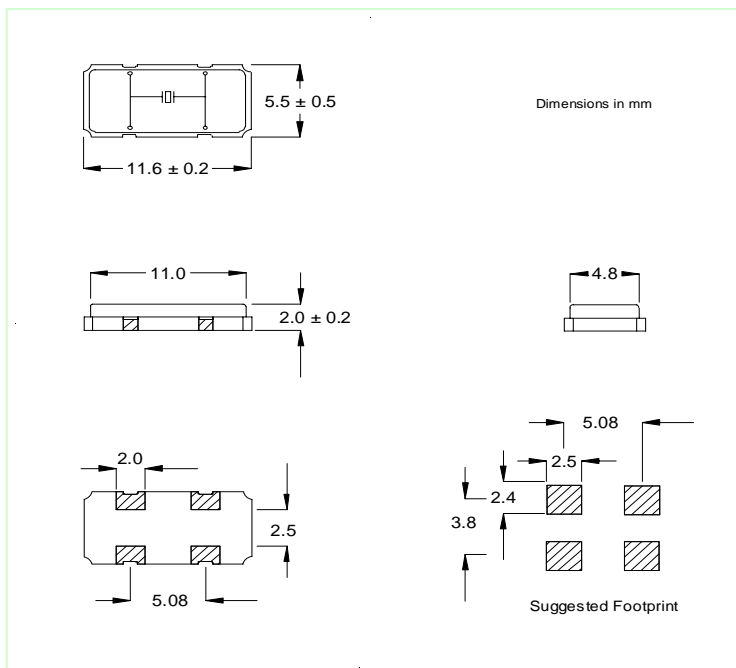
Only 2mm high and with a small footprint, the ACT225 is ideal for fitting on high density boards where height restriction is a constraint. This part offers good environmental and heat resisting characteristics due to the highly reliable ceramic package.

These devices can be used in a wide range of applications including Communications & Audio Visual equipment, measuring Instruments and all manner of both portable and static products.

Specification

Parameter	Symbol	Specification	Condition
Frequency Range	fo	3.5MHz ~ 30MHz	Please specify
Frequency Tolerance	$\Delta f/fo$	$\pm 30\text{ppm}$ & 50ppm	@25°C
Temp Operating Range	Topr	-40°C ~ +85°C	
Stability over Temp Range °C	Tc	$\pm 50\text{ppm}$ ($\pm 30\text{ppm}$)	Please specify
Temp Storage Range	Tstg	-55°C ~ +125°C	
Equivalent Series Resistance	ESR	See table below	@25°C
Shunt Capacitance	C0	7pF max	
Load Capacitance	CL	10 ~ 32pF & SR	Please specify
Drive Level	DL	50 ~ 100 μ W	
Insulation Resistance	IR	500M Ω Min	
Reflow		240°C \pm 0.5°C 10 Sec Max	
Aging (First Year)	Fa	$\pm 5\text{ppm}$	@25°C $\pm 3^\circ\text{C}$

Frequency (MHz)	ESR (Ω) Max
3.50 ~ <4.00	200
4.00 ~ <6.00	150
6.00 ~ <10.00	100
10.00 ~ <14.00	80
14.00 ~ 30.00	50



(Reflow 245°C max)

Pad Surface Material Au

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

Customer to specify : Frequency, Frequency Tolerance, Temperature Stability, Operating temperature range, Load Capacitance

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

ISO9001:2000 Registered

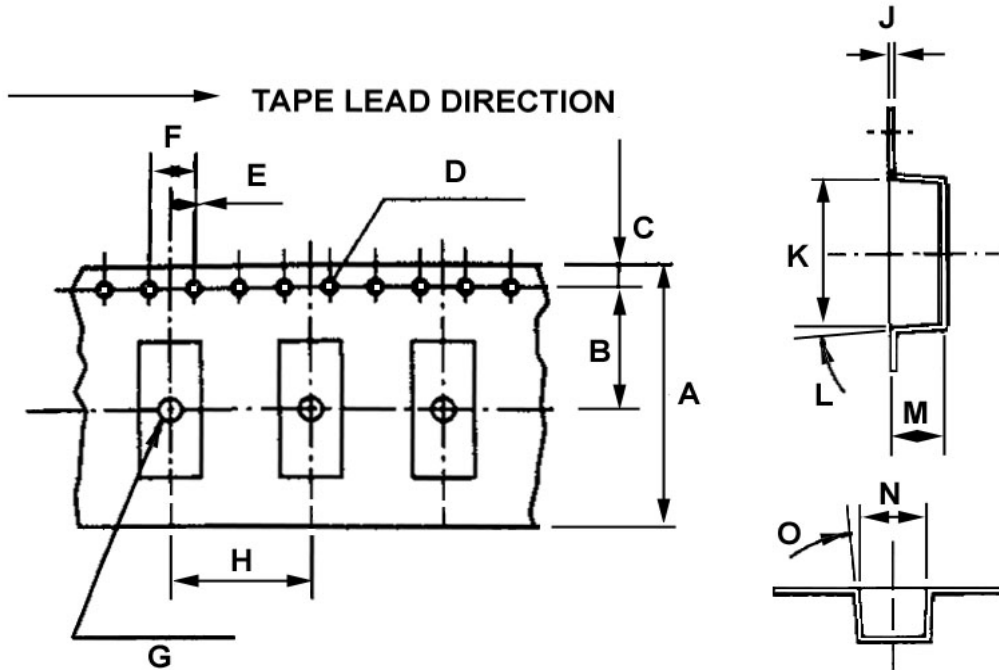
For quotations or further information please contact us at:

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

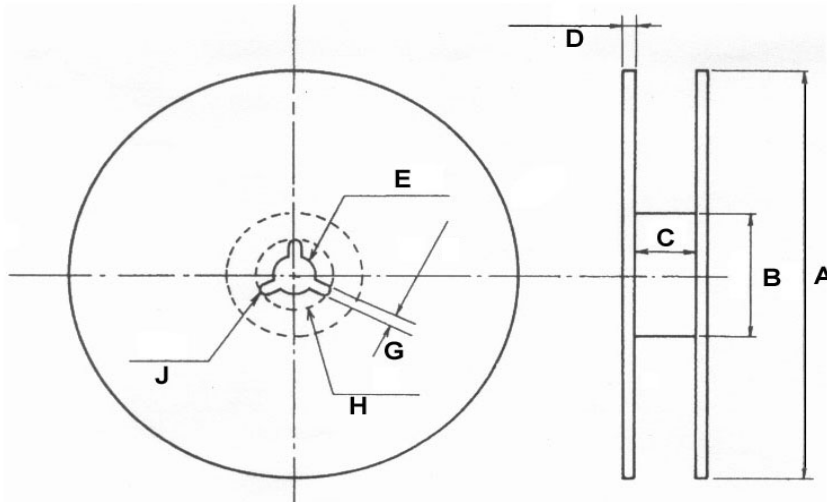
<http://www.actcrystals.com>

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A	B	C	D	E	F	G	H	J	K	L	M	N	O
24	11.5	1.75	1.5	2	4	2.2	12	0.4	12	3°	2.4	5.9	3°
±0.3	±0.1	±0.1	^{+0.1} ₀	±0.1	±0.1	±0.1	±0.1	±0.05	±0.1		±0.1	±0.1	



A	B	C	D	E	G	H	J
330	100	25	2.0	O1	2.0	O2	R1.0

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