

ACT711E

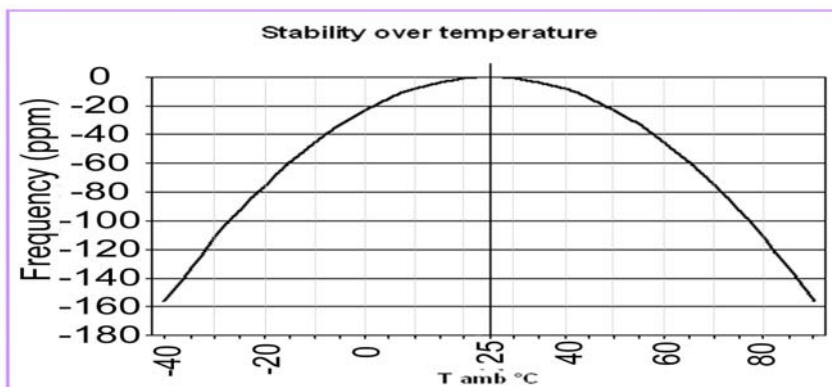
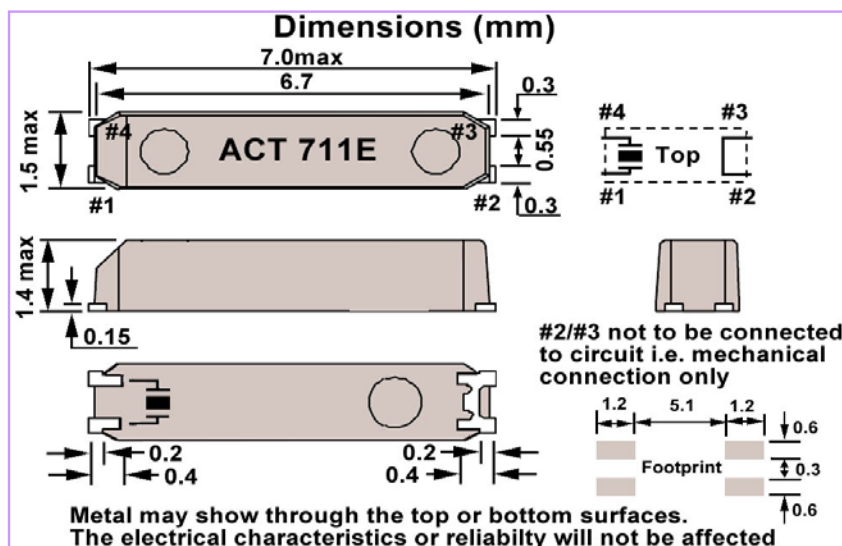
The **ACT711E** is an ultra thin, plastic moulded package with a maximum height of 1.4 mm. The package contains a highly reliable cylinder type quartz crystal and is ideally suitable for automatic insertion, especially where PCB component mounting space is at a premium.

Applications include Wireless Communications Equipment, Pagers, PDAs, Cellular Phones, Portable applications, and a variety of clock sources.

Specification

Parameter	Symbol	Specification
Frequency	f ₀	32.768kHz
Frequency Tolerance	Δf/f ₀	±20ppm, ±50ppm
Frequency v Temperature @25°C	TC	Please See Drawing
Turnover Temperature	T _p	+25°C ±5°C
Temp. Coefficient	K	(-4.0±1.0) x 10 ⁻⁸ /°C ² max
Temp Operating Range	T _{opr}	-40 ~ +85°C
Temp Storage Range	T _{stg}	-55 ~ +125°C
Equivalent Series Resistance	ESR	65KΩ max
Shunt Capacitance	C ₀	0.8pF max
Motional Capacitance	C ₁	1.9fF typ
Load Capacitance	C _L	12.5pF (7.0pF & 9.0pF options)
Drive Level	DL max	1.0μW (0.1μW Recommended)
Aging	Fa	±3ppm max 25°C ±3°C, First Year
Reflow Profile	Tsol	Max 2 reflow cycles to profile (fig 1)

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



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

Customer to specify: Frequency Tolerance, Load capacitance

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

ISO9001 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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ACT711E TAPE & REELING SPECIFICATION

Standard Reel Quantity 3000

Tape & Reel Dimensions (mm)							
Reel			Tape				Direction of feed
A	B	W	A	B	C	D	
Ø330	Ø80 or 100	17.5	8	9.25	16	1.7	Left

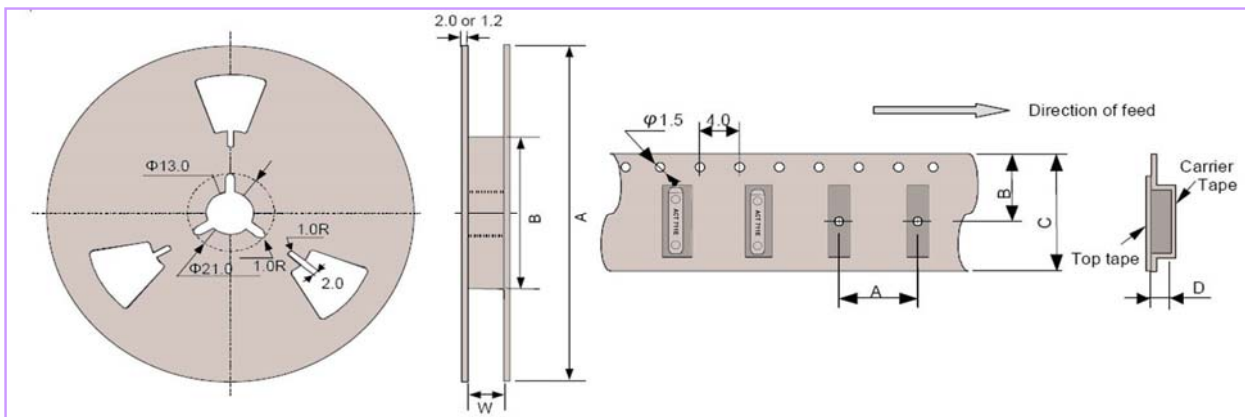
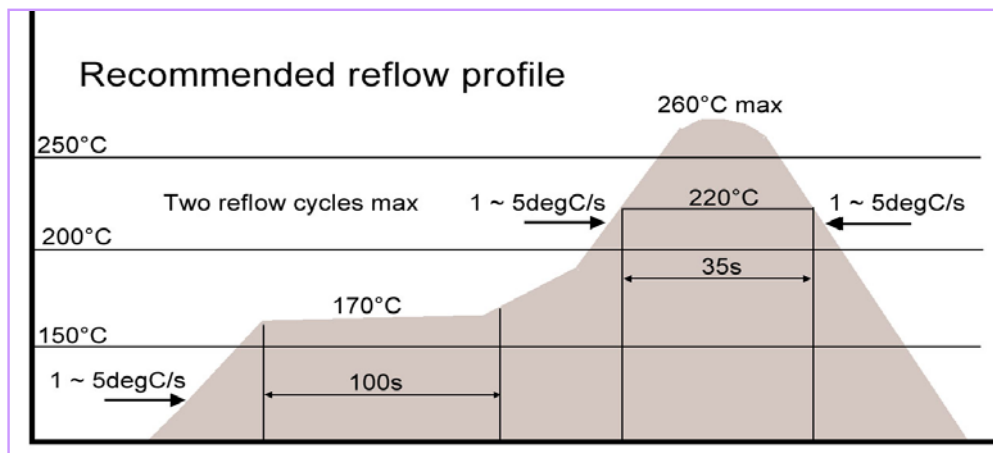


Fig 1).

Pad Plating Material Sn or SnBi



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