COMMERCIAL GRADE 6.9 x 1.4 x 1.3mm LOW FREQUENCY SMD CRYSTAL

AKC13M

Pb in High Temperature Solder (exempt per RoHS 2002/95/EC Annex (7)) Compliant





> FEATURES:

- Low frequency 32.768kHz
- Plastic package with embedded heat resistant crystal in cylinder package
- Extended temperature -40°C to +85°C
- Suitable for RoHS reflow profile

> APPLICATIONS:

- Wide range in communication & measuring equipment
- Commercial applications
- Wireless communications
- PDA and Palm Pilots

STANDARD SPECIFICATIONS:

PARAMETERS	
ABRACON P/N	AKC13M Series
Nominal Frequency	32.768 kHz
Operating Temperature	-40°C to + 85°C
Turn-over Temperature	+25°C to ±5°C
Storage Temperature	-55°C to +125°C
Frequency Tolerance	±20 ppm max.
Frequency Coefficient (ß)	- 0.034±0.006 ppm/T ²
Equivalent Series Resistance	65 kohms max.
Load Capacitance CL	12.5 pF (see option)
Shunt Capacitance C0	1.2 pF typ.
Motional Capacitance C1	0.0023 pF typ.
Drive Level	1μW max.
Aging (first year) 25°C ± 3°C	± 3 ppm max.
Insulation Resistance	500MΩ with 100 Vdc ±15V

> OPTIONS AND PART IDENTIFICATION:

(Left blank if standard) AKC13M - 32.768kHz -**Packaging** Freq. Tolerance Load Capacitance Blank: Bulk Blank: 12.5pF Blank: ± 20 ppm T: Tape & Reel 1: ± 10 ppm 9: 9pF 7: 7pF 5: ± 15 ppm 3: ± 25 ppm 4: ± 30 ppm



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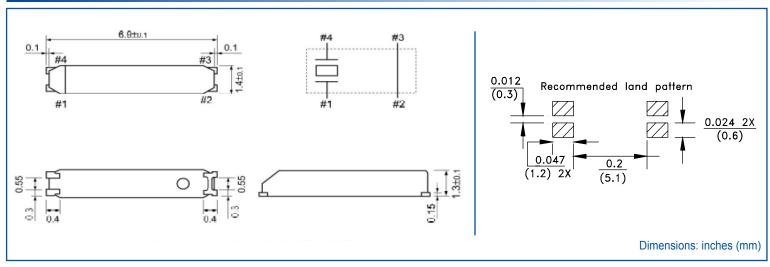
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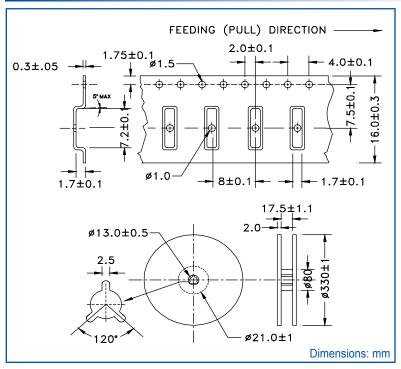


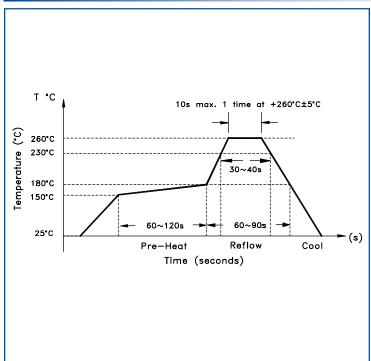
OUTLINE DRAWING:



TAPE & REEL: T = Tape and reel 3,000pcs/reel

REFLOW PROFILE





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