

# 32.768kHz SMD LOW PROFILE CRYSTAL

ABS06



RoHS  
Compliant

ABS06



2.0 x 1.2 x 0.6mm

## FEATURES:

- Smallest industry package size for 32.768kHz crystals
- 0.6mm height ideal for high density circuit boards
- Ceramic package offers excellent environmental & heat resistance
- Extended temperature -40°C to +85°C for industrial applications

## APPLICATIONS:

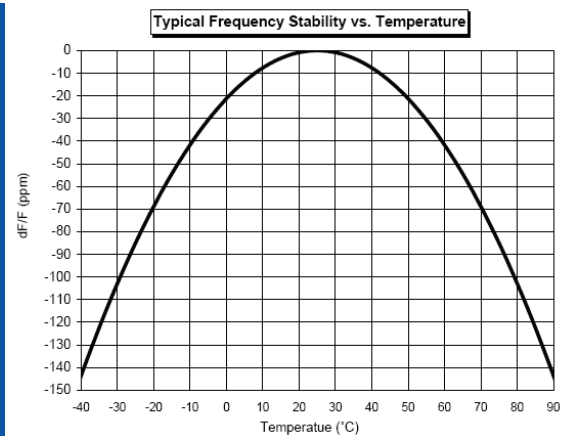
- Wide range in communication & measuring equipment
- Commercial & Industrial applications
- Automotive electronics applications
- Wireless communications
- PDA and Palm Pilots

## STANDARD SPECIFICATIONS:

### PARAMETERS

ABRACON P/N	ABS06 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.
Temperature Coefficient	- 0.034±0.005 ppm/°C <sup>2</sup>
Equivalent Series Resistance	90 kohms max.
Load Capacitance CL	12.5 pF (see option)
Drive Level	0.5 µW max.
Aging (first year) 25°C	± 3 ppm max.
Insulation Resistance	500 MΩ with 100 Vdc ±15V

### EXAMPLE TUNING FORK CRYSTAL TEMPERATURE CURVE



## OPTIONS AND PART IDENTIFICATION:

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ABS06-32.768kHz-  -  -

Load Capacitance		Freq. Tolerance		Packaging	
Blank	12.5pF	1	± 10 ppm	Blank	Bulk
9	9pF	4	± 30 ppm	T	Tape and Reel

\*Contact ABRACON for non-standard load capacitance.



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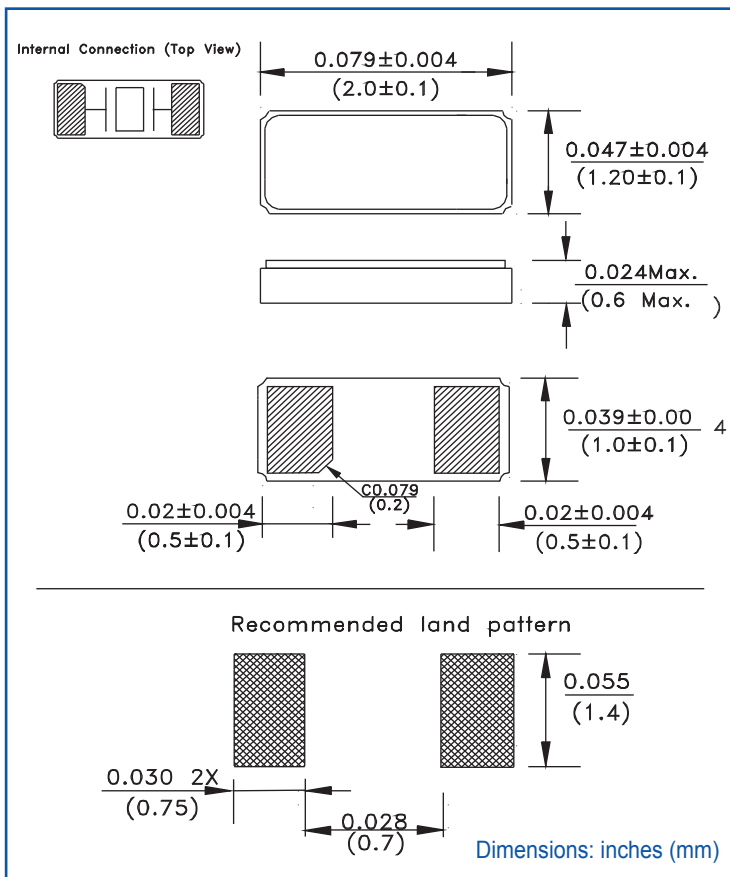


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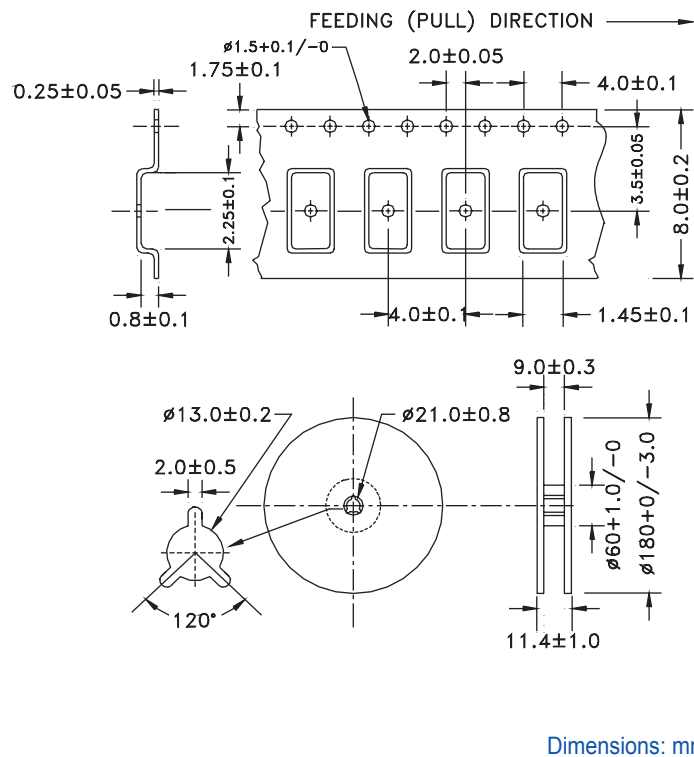


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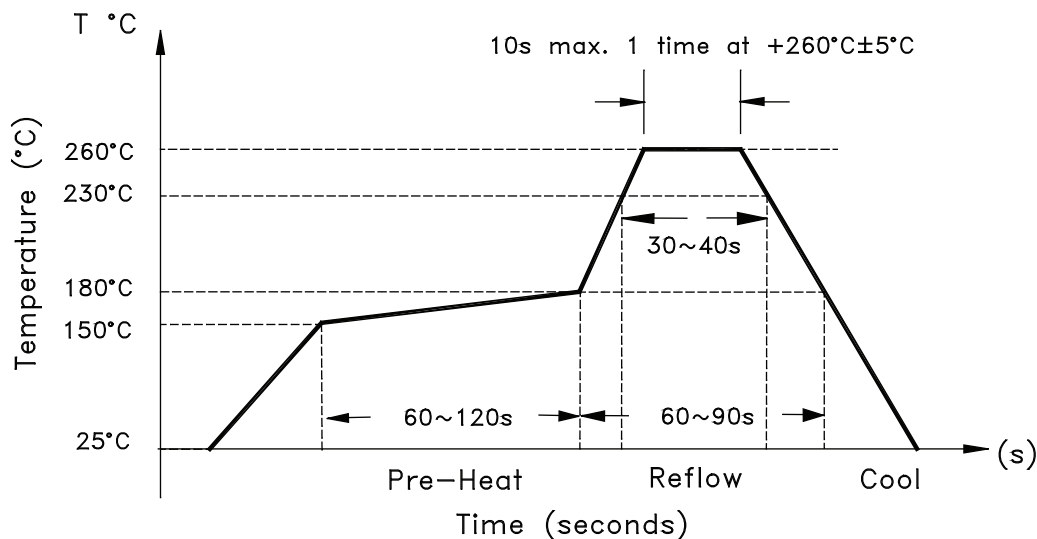
## OUTLINE DRAWING:



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



## TAPE & REEL:



Need a test socket for the ABS06 Series? To view compatible **PRECISION TEST & BURN-IN SOCKETS** for these parts, [click here](#). P/N AXS-2012-02-04

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