

# LOW FREQUENCY REFLOWABLE CYLINDRICAL WATCH CRYSTAL

**AB26TRB**

Pb in high temperature solder  
(exempt per RoHS 2002/95/EC Annex (7))

**RoHS**  
Compliant



6.0 x 1.9mm

## FEATURES:

- Formed leads for low cost SMD type
- Excellent shock resistance
- Reflow Capable
- Low cost for consumer applications
- IR reflow capable

## APPLICATIONS:

- Real time clock
- Measuring instruments
- Blue-tooth and wireless applications

## STANDARD SPECIFICATIONS:

### PARAMETERS

ABRACON P/N	AB26TRB Series
Frequency Range	32.768kHz
Operating Temperature	-40°C to + 85°C
Turn-over Temperature	25°C to $\pm 5^\circ\text{C}$
Storage Temperature	-55°C to +125°C
Frequency Tolerance	$\pm 20$ ppm max. (See Options)
Frequency Stability	$-0.034 \pm 0.006$ ppm/ $^\circ\text{C}^2$
Equivalent Series Resistance	50kohms max.
Shunt Capacitance C0	1.35pF typ.
Load Capacitance CL	12.5pF (see options)
Quality Factor	70,000 typ.
Drive Level	1 $\mu\text{W}$ max.
Aging at 25°C first year	$\pm 3$ ppm max.
Insulation Resistance	500 M $\Omega$ min @ 100 VDC $\pm 15\text{V}$

## OPTIONS & PART IDENTIFICATION:

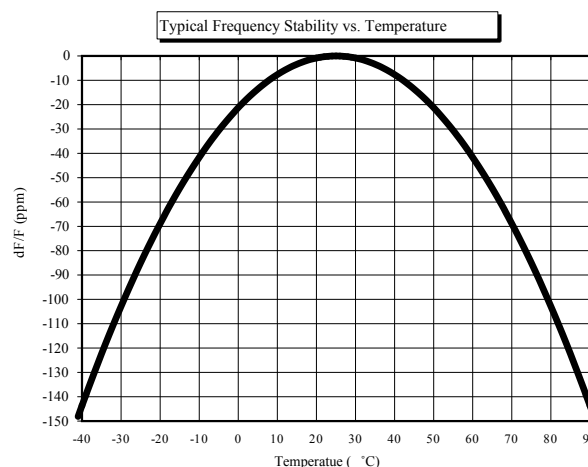
(Left blank if standard)

AB26TRB-Frequency -X-X-T

Load Capacitance		Frequency Tolerance		Packaging	
Blank	12.5pF	Blank	Standard	Blank	Bulk
6	6pF	1	$\pm 10$ ppm	T	Tape and Reel
10	10pF	7	$\pm 15$ ppm		

\*Contact ABRACON for  
non-standard load  
capacitance

## TUNING FORK CRYSTAL TEMPERATURE CURVE



ABRACON IS  
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30332 Esperanza, Rancho Santa Margarita, California 92688  
tel 949-546-8000 fax 949-546-8001 [www.abracon.com](http://www.abracon.com)

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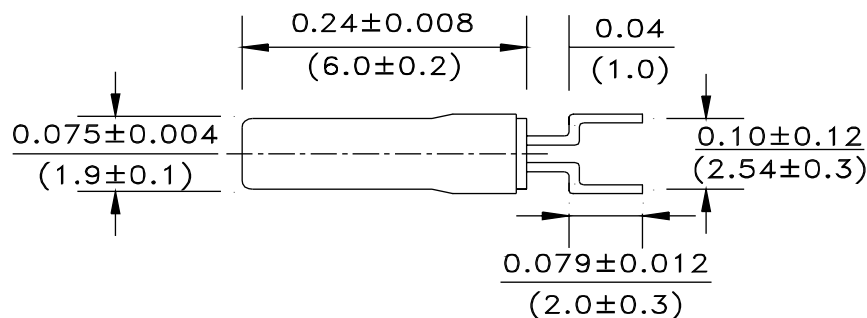
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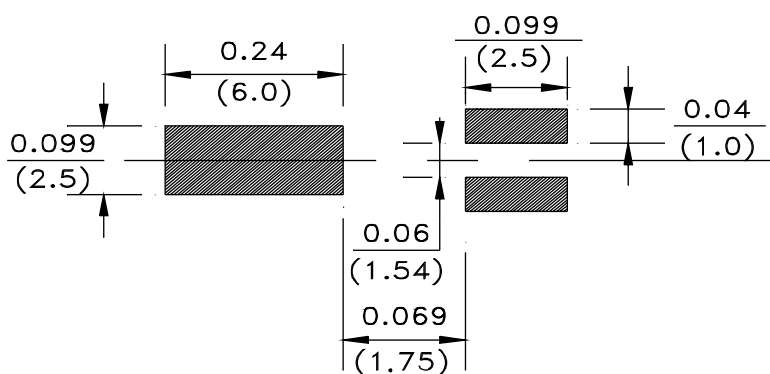


6.0 x 1.9mm

## OUTLINE DRAWING:



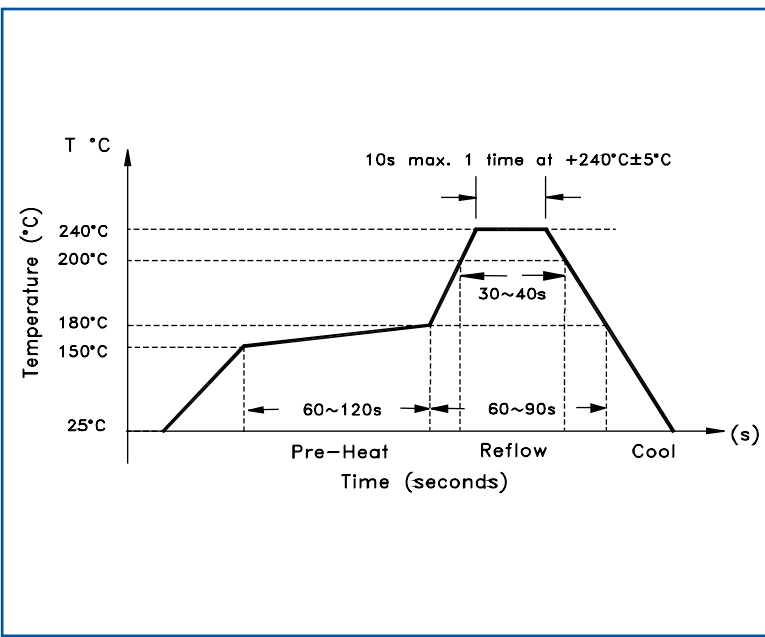
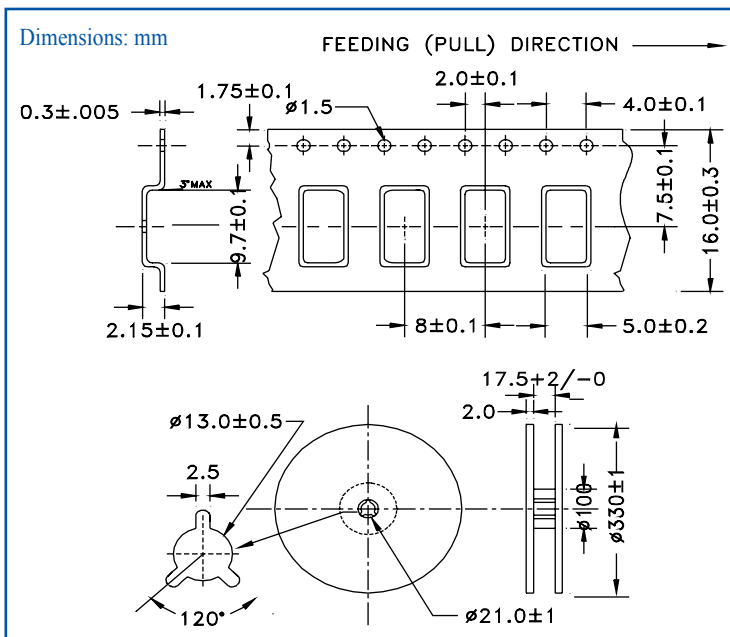
### Recommended Land Pattern



Dimensions: inches (mm)

## TAPE & REEL: T = Tape and reel 2,000pcs/reel

## REFLOW PROFILE:



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