

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 30kHz to 100kHz
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	± 20 ppm max. for 32.768KHz / ± 30 ppm max. for 30kHz to 100kHz (See Options)
Frequency Stability	$-0.034 \pm 0.006\text{ppm}/^\circ\text{C}^2$
Equivalent Series Resistance	50kohms max. (32.768kHz / 30kHz to 100kHz)
Shunt Capacitance C0	1.35pF typ. For 32.768kHz / 0.8 to 1.7pF for 30kHz to 100kHz
Load Capacitance CL	12.5pF (see options)
Quality Factor	70,000 typ. for 32.768kHz / 70,000 to 100,000 for 30kHz to 100kHz
Drive Level	1 μW max.
Aging at 25°C first year	± 3 ppm max. for 32.768kHz / ± 5 ppm max. for 30kHz to 100kHz
Insulation Resistance	500 M Ω min @ 100 VDC $\pm 15\text{VDC}$

OPTIONS & PART IDENTIFICATION:

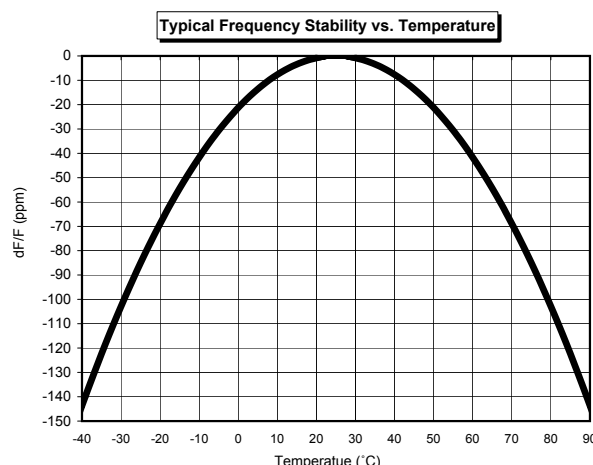
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AB26TRB-Frequency-X-X-I

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

*Contact ABRACON for
non-standard load
capacitance

TUNING FORK CRYSTAL TEMPERATURE CURVE



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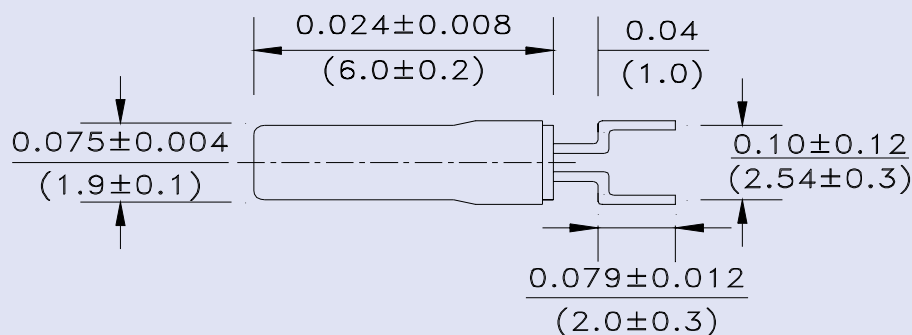
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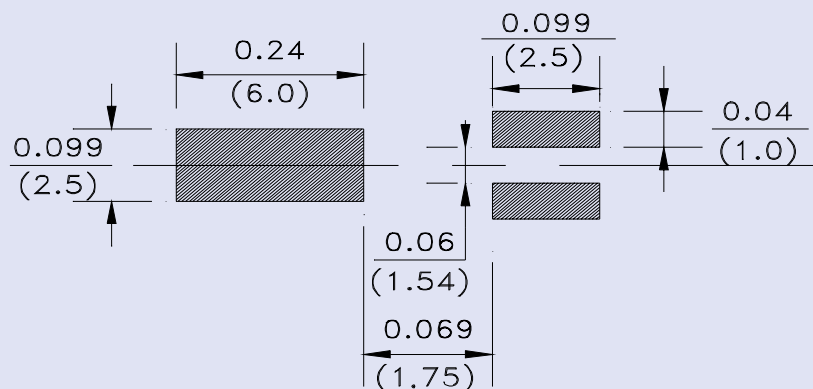


6.0 x 2.5mm

OUTLINE DRAWING:



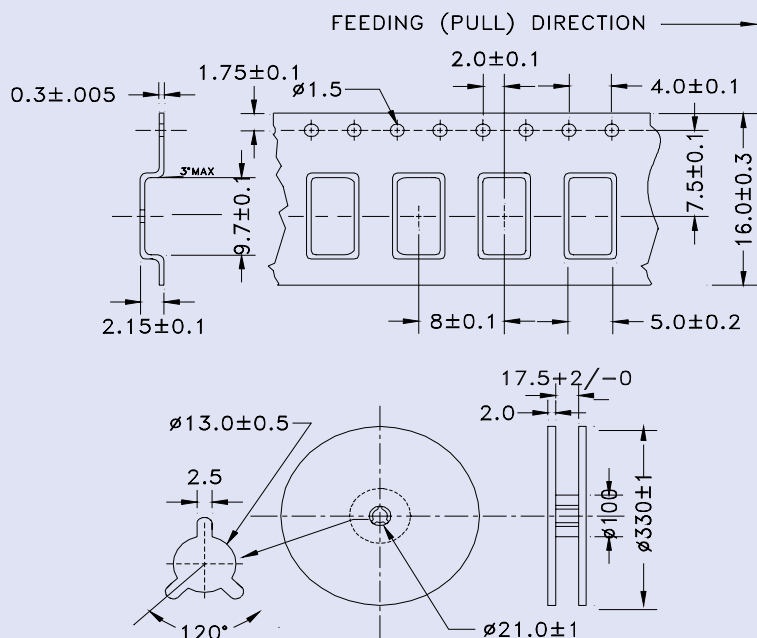
Recommended Land Pattern



Dimensions: inches (mm)

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

REFLOW PROFILE:



Dimensions: mm

