

LOW FREQUENCY REFLOWABLE CYLINDRICAL WATCH CRYSTAL



8.3 x 2.7mm

AB26TRJ

RoHS
Compliant

FEATURES:

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

APPLICATIONS:

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

STANDARD SPECIFICATIONS:

PARAMETERS

ABRACON P/N	AB26TRJ Series
Frequency Range	32.768kHz / 25kHz to 200kHz
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. for 32.768kHz / ± 30 ppm max. for 25kHz to 200kHz
Frequency Stability	-0.034 ± 0.006ppm/°C ²
Equivalent Series Resistance	40kohms max. (32.768kHz / 25kHz to 200kHz)
Shunt Capacitance C0	1.1pF typ. For 32.768kHz / 0.8 to 1.7pF for 25kHz to 200kHz
Load Capacitance CL	12.5pF (see options)
Quality Factor	70,000 typ. for 32.768kHz / 70,000 to 100,000 for 25kHz to 200kHz
Drive Level	1μW max.
Aging at 25°C first year	± 3 ppm max. for 32.768kHz / ± 5 ppm max. for 25kHz to 200kHz
Insulation Resistance	500 MW min. at 100 Vdc ± 15V

OPTIONS & PART IDENTIFICATION:

(Left blank if standard)

AB26TRJ - Frequency - □ - □

Load Capacitance

Please specify load cap.
in pF (ex: 6pF)

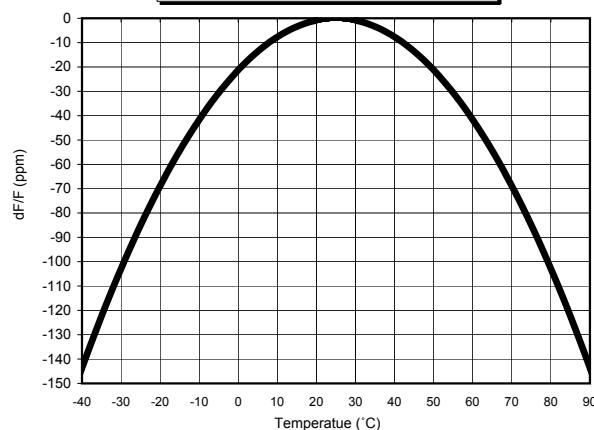
Available: From 6 pF to Series

Packaging

Blank	Bulk
T	Tape and Reel

TUNING FORK CRYSTAL TEMPERATURE CURVE

Typical Frequency Stability vs. Temperature



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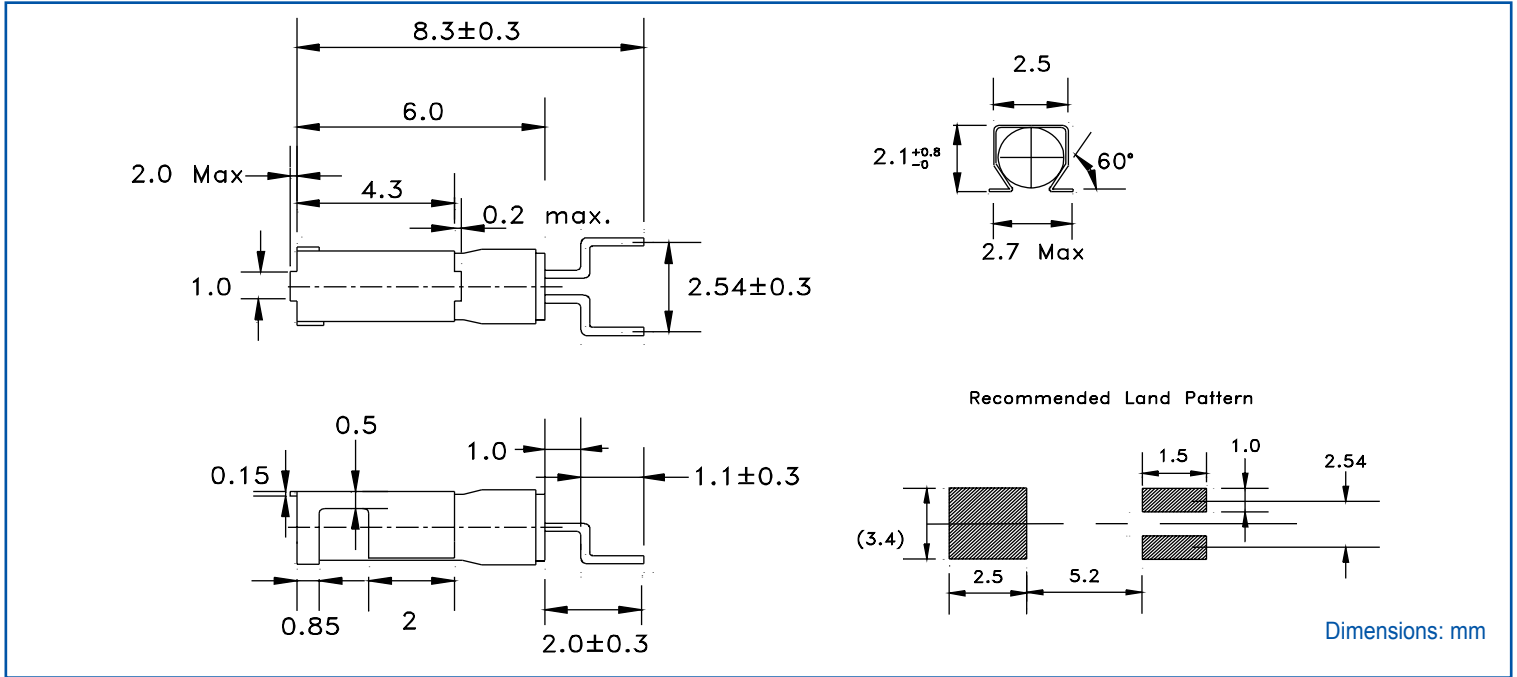


8.3 x 2.7mm

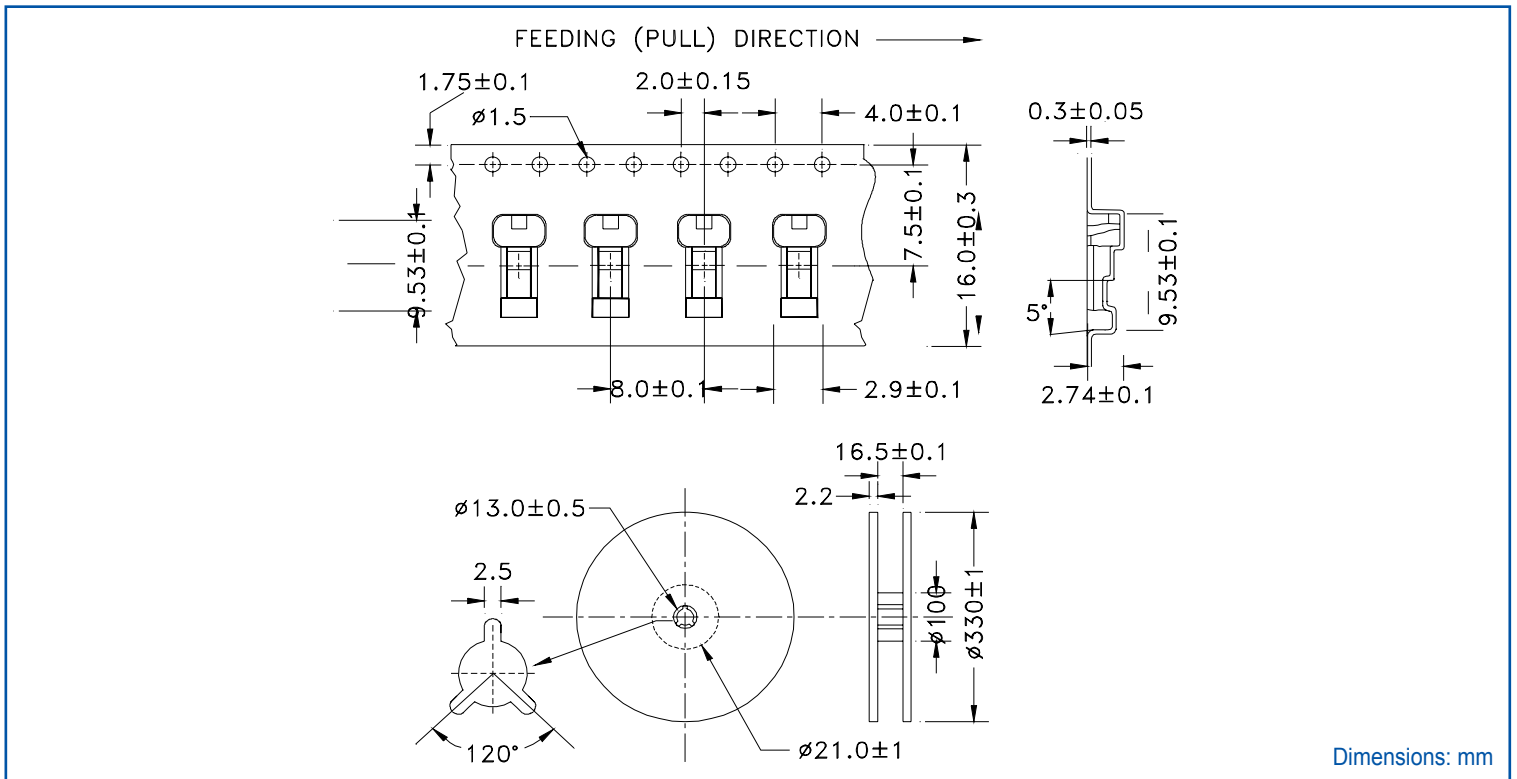
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OUTLINE DRAWING:



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



ATTENTION: Abracon Corporation's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon Corporation is required. Please contact Abracon Corporation for more information.

ABRACON IS
ISO9001:2008
CERTIFIED



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