

LOW FREQUENCY REFLOWABLE CYLINDRICAL WATCH CRYSTAL

AB26TRJ

RoHS
Compliant



8.3 x 2.7mm

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 $\pm 5^\circ\text{C}$ |
| Storage Temperature | -55°C to +125°C |
| Frequency Tolerance | ± 20 ppm max. for 32.768KHz / ± 30 ppm max. for 25kHz to 200kHz |
| Frequency Stability | $-0.034 \pm 0.006\text{ppm}/^\circ\text{C}^2$ |
| 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 | 1 μW 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 $\pm 15\text{V}$ |

OPTIONS & PART IDENTIFICATION:

[Left blank if standard]

AB26TRJ - Frequency - -

Load Capacitance

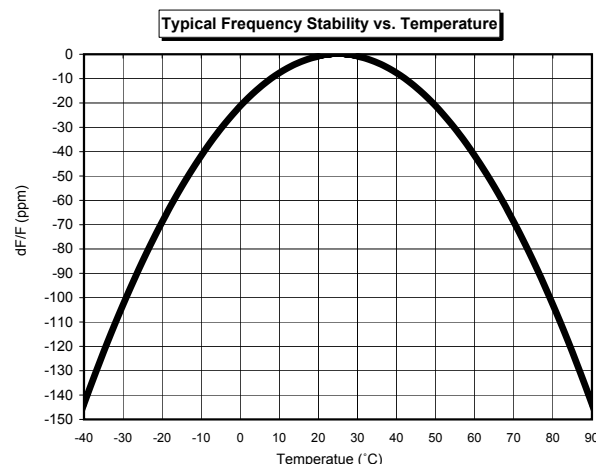
Please specify load cap.
in pF (ex: 6pF)

Available: From 6 pF to Series

Packaging

| | |
|-------|---------------|
| Blank | Bulk |
| T | Tape and Reel |

TUNING FORK CRYSTAL TEMPERATURE CURVE



LOW FREQUENCY REFLOWABLE CYLINDRICAL WATCH CRYSTAL

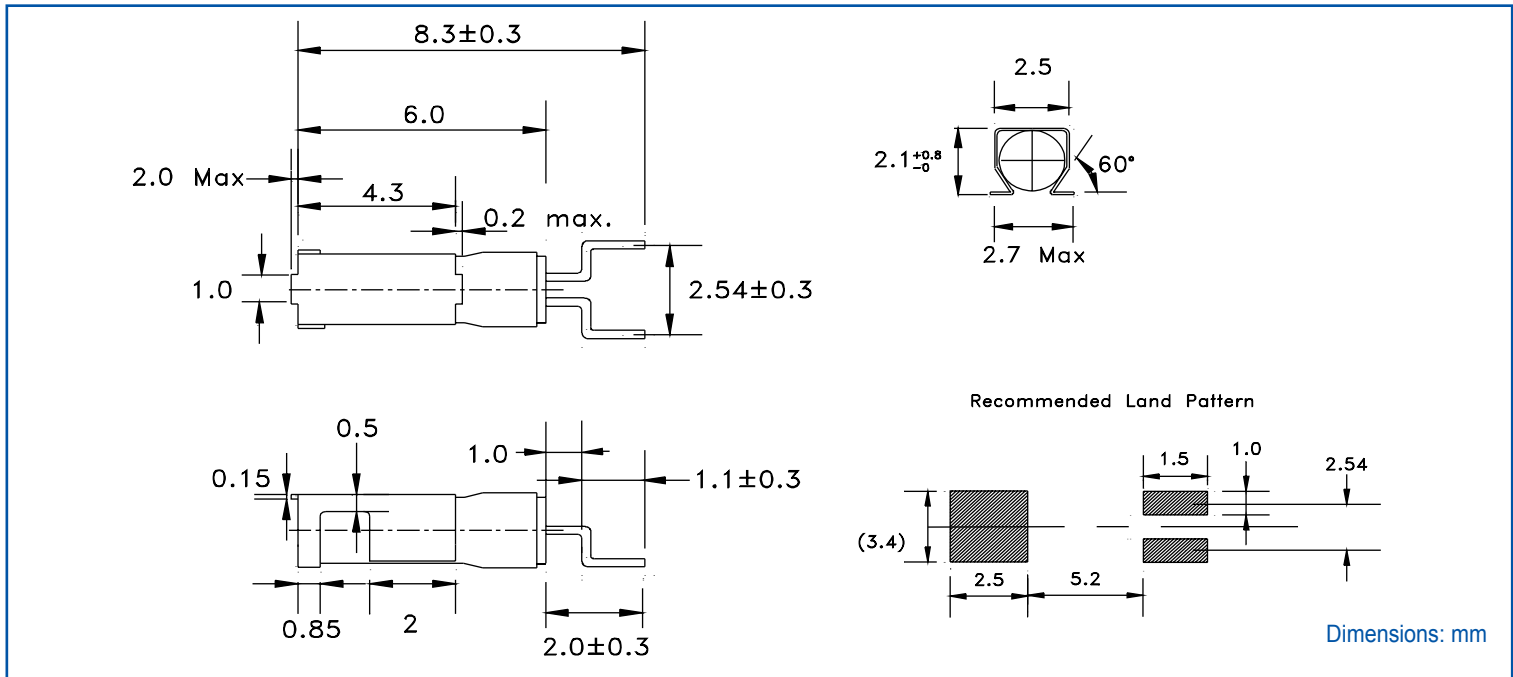


8.3 x 2.7mm

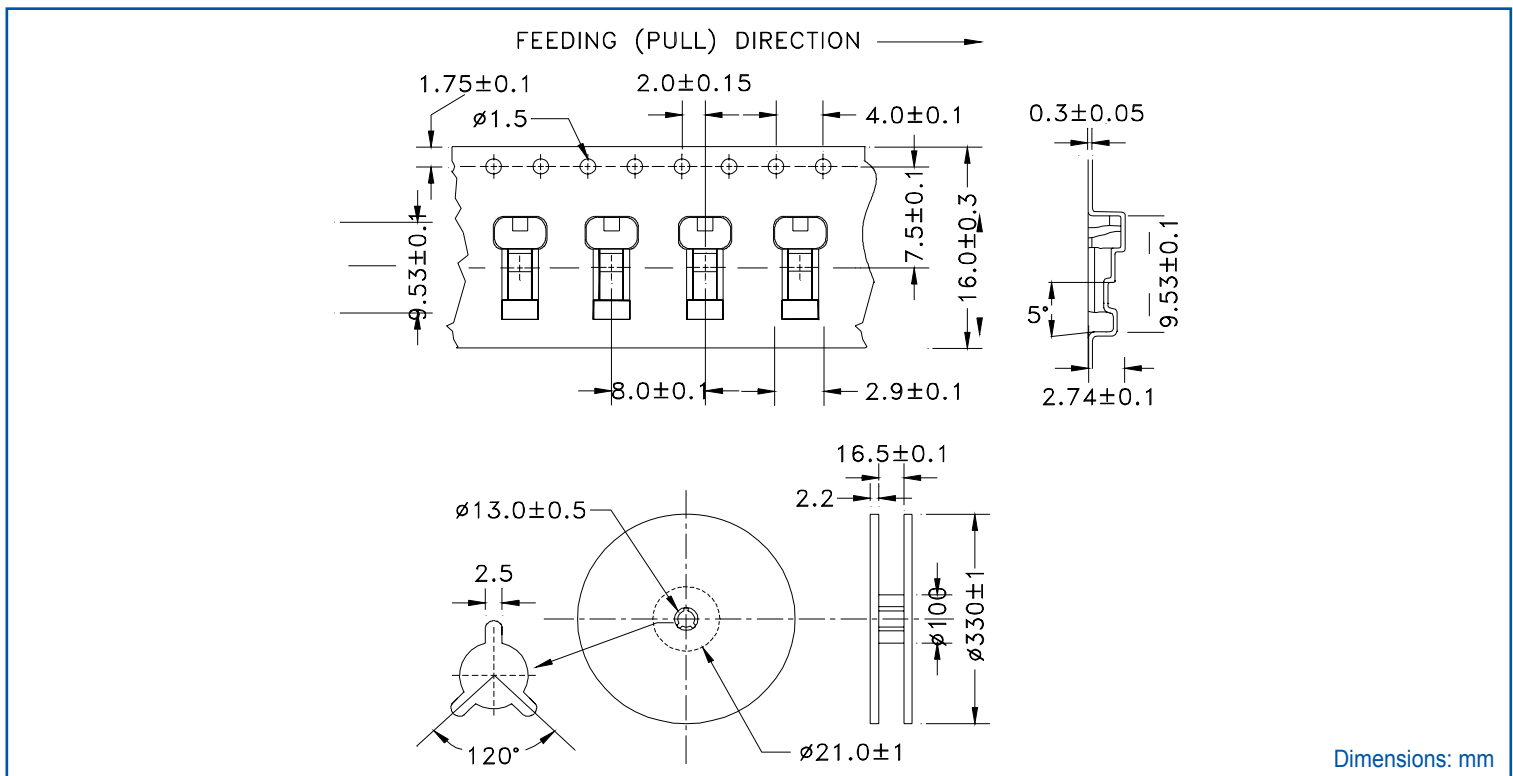
AB26TRJ

RoHS
Compliant

➤ 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



Visit www.abracon.com for Terms & Conditions of Sale **Revised: 06.29.10**
30332 Esperanza, Rancho Santa Margarita, California 92688
tel 949-546-8000 | fax 949-546-8001 | www.abracon.com