

# 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 <sup>2</sup>
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 200kH
Load Capacitance CL	12.5pF (see options)
Quality Factor	70,000 typ. for 32.768kHz / 70,000 to 100,000 for 25kHz to 200kH
Drive Level	1μW max.
Aging at 25°C first year	± 3 ppm max. for 32.768kHz / ± 5 ppm max. for 25kHz to 200kH
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)

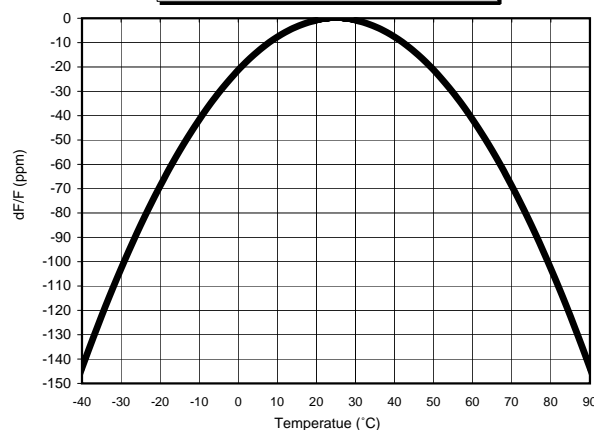
Available: From 6 pF to Series

### Packaging

Blank	Bulk
T	Tape and Reel

## TUNING FORK CRYSTAL TEMPERATURE CURVE

Typical Frequency Stability vs. Temperature



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## OUTLINE DRAWING:

