LOW FREQUENCY CYLINDRICAL WATCH CRYSTAL

AB15T



5.1 x 1.5 mm

AB15T

> FEATURES:

- Watch frequency
- · Excellent heat resistance

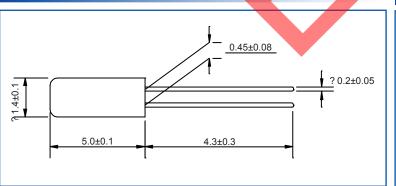
> APPLICATIONS:

- Real time clock, Measuring instruments
- Clock source for communication or A/V equipment

STANDARD SPECIFICATIONS:

PARAMETERS	
ABRACON P/N	AB15T Series
Frequency Range	32.768 kHz
Operating Temperature	- 20°C to + 70°C
Storage Temperature	-40°C to + 85°C
Turn-over Temperature	+25°C to ± 5°C
Frequency Tolerance	± 20 ppm max.
Temperature Coefficient	-0.034 ± 0.006 ppm/ T ²
Equivalent Series Resistance	40 kohms max.
Shunt Capacitance C ₀	1.00 pF typ.
Load Capacitance C _L	12.5 pF
Quality factor	85,000 typ.
Drive Level	1 μW max.
Aging at 25°C First Year	±3 ppm max.
Insulation Resistance	500 Mohms min. at 100 Vdc ± 15V

OUTLINE DRAWING:



PART IDENTIFICATION: (ORDERING PART NUMBER)

AB15T-32.768KHz





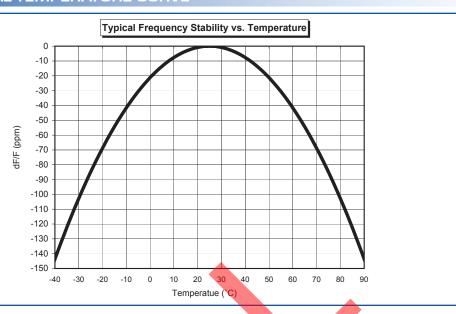
LOW FREQUENCY CYLINDRICAL WATCH CRYSTAL

AB15T



5.1 x 1.5 mm

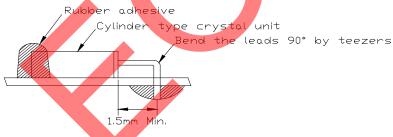
TUNING FORK CRYSTAL TEMPERATURE CURVE



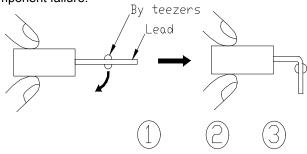
HANDLING INSTRUCTIONS

Mounting:

(1) Soldering on the body of the cylinder type crystal unit must be strictly avoided due to deteriorate the characteristics or damage the products. Rubber adhesive is recommended.



- (2) When the leads need to be bent by hand, follow the instructions below.
 - Hold the body of the Cylinder type crystal unit in fingers.
 - Pick at the part with tweezers, which you intend to bend. There should be more than 1.5mm (3.0mm is recommendable) from the body case.
 - Bend the lead 90° by tweezers without pulling the lead strongly. Pulling the leads forcefully may cause cracks in the glass hermetic seal resulting in component failure.



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.



