



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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32.768kHz WATCH CRYSTAL, 6.2 x 02.1MM CYLINDER PACKAGE



6.2 x 02.1 mm

AB26T



RoHS
Compliant

FEATURES:

- Watch frequency
- 32.768kHz standard frequency

APPLICATIONS:

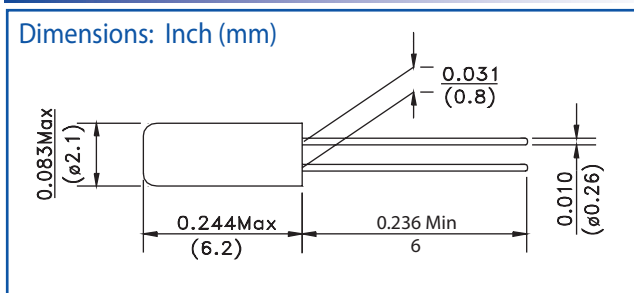
- Real time clock
- Measuring instruments
- Clock source for communication or A/V equipment

STANDARD SPECIFICATIONS:

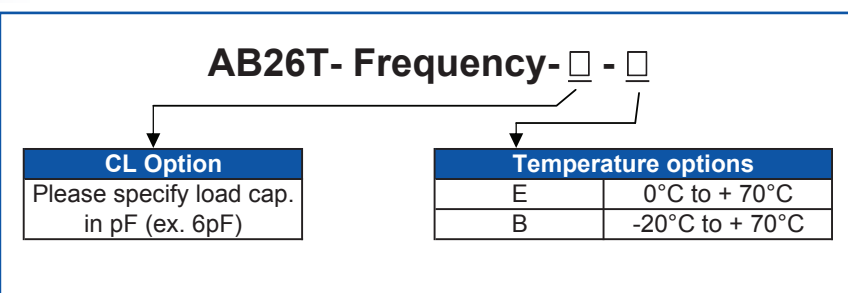
PARAMETERS	
ABRACON P/N:	AB26T Series
Standard frequency:	32.768kHz
Additional frequencies available*	32.000kHz, 36.000kHz, 38.000kHz, 38.400kHz, 40.000kHz, 60.000kHz, 65.536kHz, 76.800kHz, 96.000kHz, 100.000kHz
Frequency range:	30kHz to 200kHz
Operating temperature:	-10°C to + 60°C (see option)
Storage temperature:	-40°C to + 85°C
Turn-over temperature:	+25°C ± 5°C
Frequency tolerance:	± 20 ppm max. for 32.768kHz (see option) ± 30 ppm max. for 30kHz ~ 200kHz (not including 32.768kHz)
Temperature Coefficient:	-0.034 ± 0.006 ppm/ T ²
Equivalent series resistance:	35 kΩ max. (32.768kHz) 35 kΩ ~ 50 kΩ max. (30kHz ~ 200kHz)
Shunt capacitance C0:	0.8pF to 1.7pF typ.
Load capacitance CL:	12.5 pF typ. (see option)
Motional capacitance C1:	1 ~ 4 fF typ.
Capacitance ratio:	425 ~ 800 typ.
Quality factor:	70,000 typ. (32.768kHz)
Drive level:	1.0 μW max.
Aging @ 25° C first year:	± 3 ppm max. (32.768kHz) and ± 5 ppm max. (others)
Insulation resistance:	500 Mohms min. at 100Vdc ± 15V

* For additional frequencies please contact Abracon.

OUTLINE DRAWING:

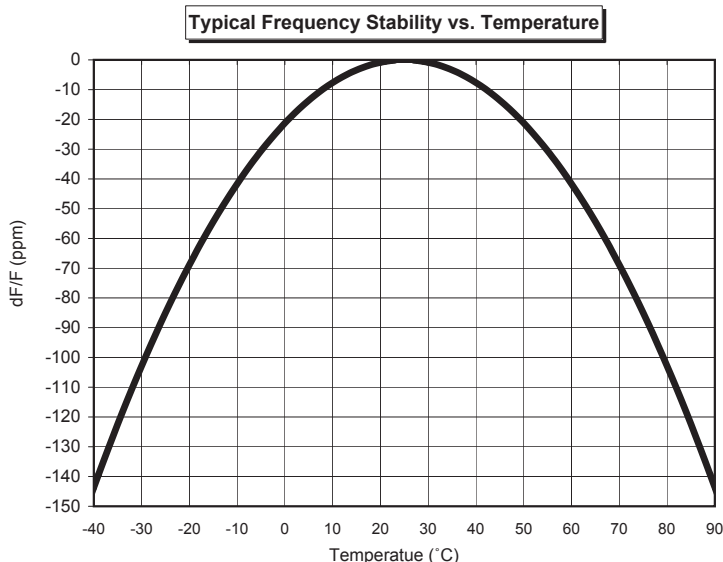


OPTIONS & PART IDENTIFICATION: (Left blank if standard)





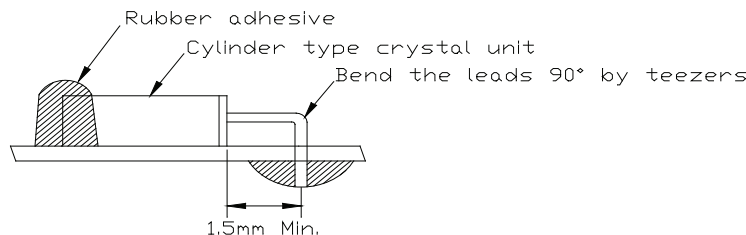
TUNING FORK CRYSTAL TEMPERATURE CURVE



HANDLING INSTRUCTIONS

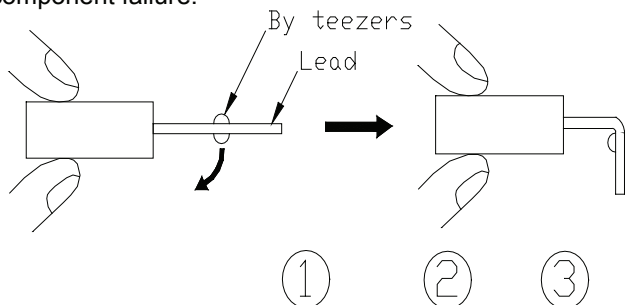
Mounting:

(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.



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