AB38T



8.3 x ø3.2mm

AB38T

RoHS Compliant

FEATURES:

- Watch frequency
- Frequency range from 30kHz to 200kHz
- Excellent heat resistance.

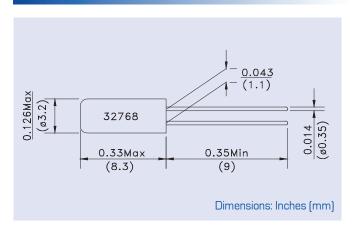
APPLICATIONS:

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

STANDARD SPECIFICATIONS:

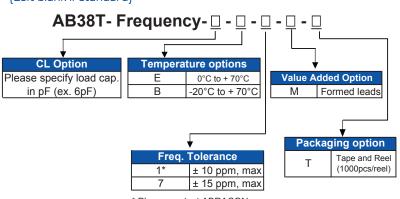
PARAMETERS	
ABRACON P/N:	AB38T Series
Nominal frequency:	32.768kHz
Operating temperature:	-10°C to + 60°C (see option)
Storage temperature:	-40°C to + 85°C
Turn-over temperature:	+25°C ± 5°C
Frequency tolerance:	± 20 ppm max.(see option)
Temperature Coefficient:	-0.034 ± 0.006 ppm/ T^2
Equivalent series resistance:	30 kΩ max.
Shunt capacitance C0:	1.60 pF typ.
Load capacitance CL:	12.5 pF typ. (see option)
Motional capacitance C1:	0.0035 pF typ.
Capacitance ratio:	4600 typ.
Quality factor:	90,000 typ.
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

OUTLINE DRAWING:



OPTIONS & PART IDENTIFICATION:

(Left blank if standard)



* Please contact ABRACON for availability





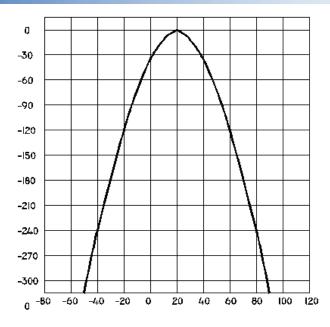
AB38T

AB38T



8.3 x ø3.2mm

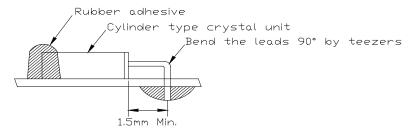
TUNING FORK CRYSTAL TEMPERATURE CURVE



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.

