LOW FREQUENCY REFLOWABLE CYLINDRICAL WATCH CRYSTAL

AB26TRB

Pb in high temperature solder (exempt 7(a) per 2015/863/EU Annex) | RoHS Compliant

6.0 x ϕ1.9mm

FEATURES:

- Formed leads for low cost SMD type
- Excellent shock resistance
- Reflow Capable
- Low cost for consumer applications
- IR reflow capable

APPLICATIONS:

- Real time clock
- Measuring instruments
- Blue-tooth and wireless applications

STANDARD SPECIFICATIONS:

Parameters	Minimum	Typical	Maximum	Units	Notes
Center Frequency		32.768		kHz	
Operating Temperature	-40		+85	ºC	
Turnover Temperature	+20	+25	+30	ºC	
Storage Temperature	-55		+125	ºC	
Frequency Tolerance @+25ºC	-20		+20	ppm	See options
Frequency Coefficient (ß)		-0.035±0.01		ppm/ºC^2	
Equivalent series resistance (R1)		35	50	kΩ	@25ºC
Shunt capacitance (C0)		1.35		pF	
Load capacitance (CL)		12.5		pF	See options
Drive Level			1	µW	
Quality Factor		70,000			
Aging	-3		+3	ppm	@25ºC±3ºC First year
Insulation Resistance	500			MΩ	@ 100Vdc ± 15V

OPTIONS & PART IDENTIFICATION: (Left blank if standard)

AB26TRB-32.768kHz - ☐ - ☐ - ☐

Load Capacitance (pF)
Blank: 12.5pF
6: 6pF
10: 10pF

Freq. Tolerance
Blank: ± 20 ppm
1: ± 10 ppm
7: ± 15 ppm

Packaging
Blank: Bulk
T: Tape & Reel

ABRACON LLC

5101 Hidden Creek Ln Spicewood TX 78669
Phone: 512-371-6159 | Fax: 512-351-8858
For terms and conditions of sales, please visit:
www.abracon.com

REVISED: 10-1-19

ABRACON IS ISO9001-2015 CERTIFIED

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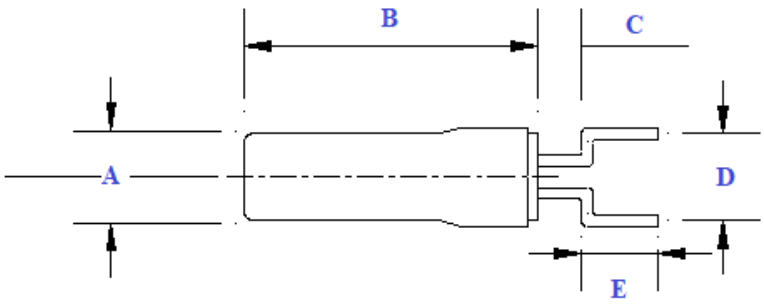
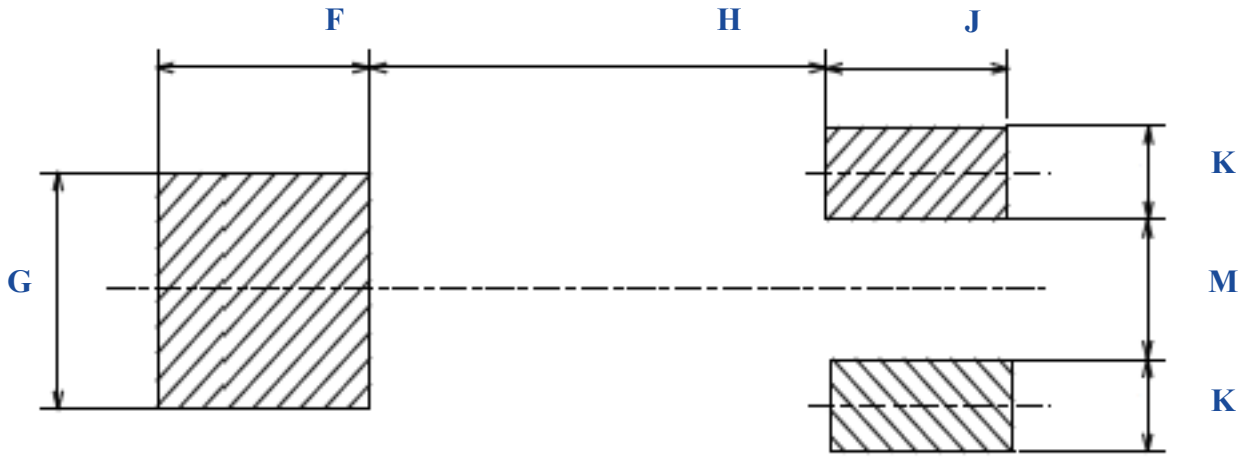
OUTLINE DIMENSIONS:



Dimension Table	
A	Ø 1.9 ± 0.1
B	6.0 ± 0.2
C	1.0
D	2.54 ± 0.3
E	2.0 ± 0.3

NOTE:
The body/can of the component is not to be soldered. To do so may cause damage to the crystal.
Use Adhesive/Bonding Materials (i.e. Rubber Adhesive, Epoxy, etc) to affix the component body to the PCB.



F	G	H	J	K	M
2.5	2.5	5.25	2.5	1.0	1.5

Dimensions: mm

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