TUNING FORK CRYSTAL UNIT

TYPE: VT-30832.768KHz-DIP

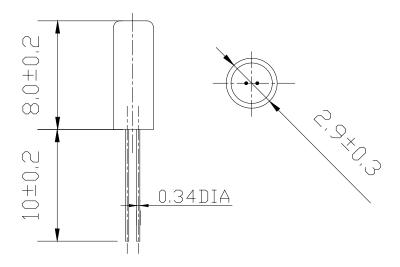
1.ELECTRIC CHARAC:

	VT-308
	+2° X-cut , Fundamental
F	32.768KHz
CL	12.5 PF Typical
2	±20 ppm
Rr	30KΩ Max
Q	35K TYP
To	25 °C±5°C
K	-0.035 ppm/°C ² Typical
	-40 °C∼+60°C
Co	1.6PF Typical
Δf/f	±5 ppm max.
	± 5 ppm max.
C ₀ /C	520 Typical
	500M Ω at DC 100V ± 15V
	1 μW
	CL Rr Q To K Co Δf/f

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2.DIMENSION (MM)



3. PHYSICAL AND ENVIRONMENTAL CHARACTERISTICS

3-1. Humidity

Subject the crystal at $40^\circ\text{C}\pm2^\circ\text{C}$ and 90% - 95% RH for 96 ± 4 hours Then release the crystal into the room conditions for 1hour prior to the measurement .

3-2. High Temperature Exposure

Subject the crystal to $85^{\circ}\text{C} \pm 5^{\circ}\text{C}$ for 96 ± 4 hours. Then release the crystal into the room conditions for 1hour prior to the measurement.

3-3. Low Temperature

Subject the crystal to $-20^\circ\text{C} \pm 5^\circ\text{C}$ for 96 ± 4 hours . Then release the crystal into the room conditions for 1hour prior to the measurement

3-4. Mechanical Shock

Drop the crystal randomly onto a concrete floor from the height of 50cm 3 times.

3-5. Temperature Cycling

Subject the crystal to -30° C for 30 min. followed by a high temperature of $+85^{\circ}$ C for 30 min. Cycling shall be epeated 5 times with a transfer time of 15 sec. at the room condition. Then release

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the resonator into the room emperature for 2hours prior to the measurement.

3-6. Vibration

Subject the crystal to vibration for 2hous each in x, y and z axes with the amplitude of 1.5mm, he frequency shall be varied uniformly between the limits of 10-55 Hz.

3-7. Solder Ability

Dip the crystal terminals no closer than 2 mm into the solder bath at $235^{\circ}\text{C} \pm 5^{\circ}\text{C}$ for 3 ± 0.5 sec .more than 95% of the erminal surface of the crystal shall be covered with fresh solder.

3-8. Lead Fatigue

1) Pulling Test

Weight along with the direction of erminals without any shock 0.5kg for $10\pm1sec.$; The crystal shall no evidence of damage and shall fulfill all the initial electric characteristics \circ

2) Bending Test

Lead shall be subject to withstand against 90 degree bending at its stem • This operation shall be done towards both direction; The crystal shall no evidence of damage and shall fulfill all the initial electric characteristics •

4. REVIEW OF SPECIFICATION

When something get doubtful with this specifications we shall jointly work to get an agreement $^{\circ}$

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