SERIES R26

- **FEATURES**
  - DESIGNED FOR TIME OF DAY CLOCKS APPLICATIONS
  - SMALL COMPACT SIZE WITH PERFORMANCE AND ECONOMY
  - EXCELLENT SHOCK AND ENVIRONMENTAL CHARACTERISTICS

RoHS Compliant

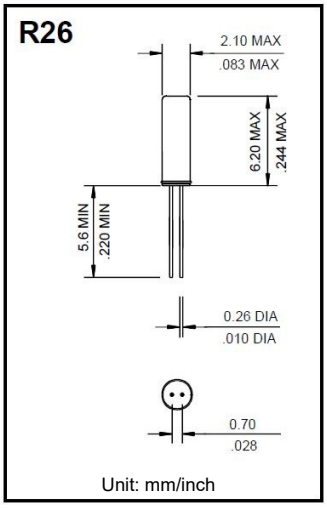
- **SPECIFICATIONS**

PARAMETERS	VALUE
NOMINAL FREQUENCY	32.768 kHz
FREQUENCY TOLERANCE	±20 ppm Standard
	±5 ppm and ±10 ppm Available
TURNOVER TEMPERATURE	25°C ±5°C
PARABOLIC CURVATURE CONSTANT (TYP)	-0.034±0.006 ppm/°C²
LOAD CAPACITANCE	6 to 12.5 pF
EQUIVALENT SERIES RESISTANCE (MAX)	35 kΩ
DRIVE LEVEL (TYP)	1.0 µW
MOTIONAL CAPACITANCE (TYP)	0.003 pF
SHUNT CAPACITANCE (TYP)	1.35 pF
CAPACITANCE RATIO (TYP)	450
AGING (FIRST YEAR MAX)	±5 ppm
QUALITY FACTOR (TYP)	70000
INSULATION RESISTANCE (MIN)	500 MΩ
OPERATING TEMPERATURE RANGE	-40°C to +85°C
STORAGE TEMPERATURE RANGE	-40°C to +85°C
SHOCK RESISTANCE	±5 ppm max 75 cm drop test in 3 axes onto a hard surface

SCALE NONE DIMENSION IN mm/INCH

Notes: FREQUENCY DEVIATION AT T IS GIVEN AS: $\Delta f/f = K (To - T)^2$, WHERE K IS PARABOLIC CURVATURE CONSTANT

- **MECHANICAL SPECIFICATION**



Unit: mm/inch

- **PART NUMBERING SYSTEM**

TYPE	-	FREQUENCY kHz	-	LOAD CAPACITANCE pF	-	TOLERANCE ppm
R26	-	32.768	-	6 to 12.5	-	Blank: ±20 ppm 5: ±5 ppm 10: ±10 ppm

EXAMPLE: R26-32.768-12.5
Tuning Fork Crystal 2x6 mm,32.768 kHz,12.5 pF, ±20 ppm