FEATURES

SERIES R38, R26 LEAD FREE

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

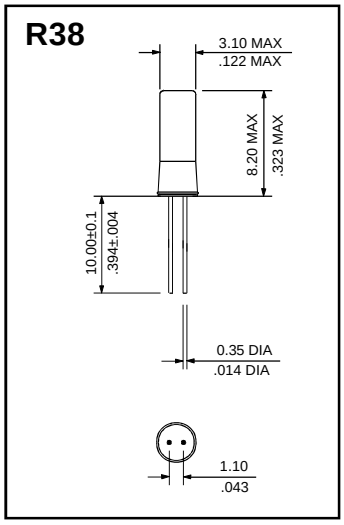
SPECIFICATIONS

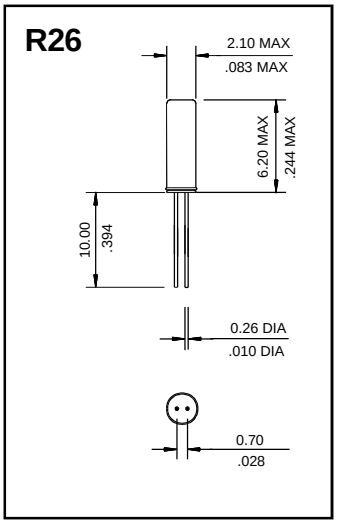
HOLDER TYPE	R38	R26
NOMINAL FREQUENCY	32.768 kHz	
FREQUENCY TOLERANCE	±5 PPM, ±10 PPM, AND ±20 PPM(STANDARD)	
TURNOVER TEMPERATURE	25° ± 5°C	
PARABOLIC CURVATURE CONSTANT †	-0.034 PPM/ ΔC^2 TYP	
LOAD CAPACITANCE	6 to 12.5 pF	
EQUIVALENT SERIES RESISTANCE	35k OHM MAX	
DRIVE LEVEL	1.0 µw TYP	
MOTIONAL CAPACITANCE	0.0035 pF TYP	0.003 pF TYP
SHUNT CAPACITANCE	1.6 pF TYP	1.35 pF TYP
CAPACITANCE RATIO	460 TYP	450 TYP
AGING(FIRST YEAR MAX)	±3 PPM	
QUALITY FACTOR	90000 TYP	70000 TYP
INSULATION RESISTANCE	500 M OHM MIN	
OPERATING TEMPERATURE RANGE	-20°C TO +60°C STANDARD -40°C TO +85°C EXTENDED	
STORAGE TEMPERATURE RANGE	-40°C TO +85°C	
SHOCK RESISTANCE	±5 PPM MAXIMUM 75 cm DROP TEST IN 3 AXES ONTO A HARD SURFACE OR 3000 g x 0.3 ms x ½ SINEWAVE IN 3 AXES	
STANDARD PART NUMBER	R38-32.768-12.5-NPB	R26-32.768-12.5-NPB

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

NOTE1-Through hole device, can withstand 260°C soldering by terminals only

OUTLINE DRAWINGS





SCALE NONE DIMENSION IN mm/INCH

PART NUMBERING SYSTEM

SERIES		FREQUENCY		LOAD CAPACITANCE		TOLERANCE		EXTENDED TEMPERATURE		LEAD FREE
R38 R26	-	32.768	-	IN pF	-	±5 PPM ±10 PPM	-	EXT (±20 PPM ONLY)	-	NPB

EXAMPLES:
R38-32.768-6-10PPM-NPB
R26-32.768-12.5-EXT-NPB

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