

## TUNING FORK CYLINDRICAL CRYSTAL (8.2 x 3.1mm)

**FEATURES:**

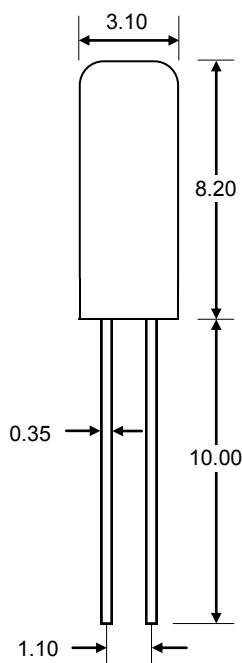
- MINIATURE TUNING FORK CRYSTAL
- LOW FREQUENCY FROM 30KHz ~ 200KHz
- WATCH FREQUENCY

RoHS  
Compliant



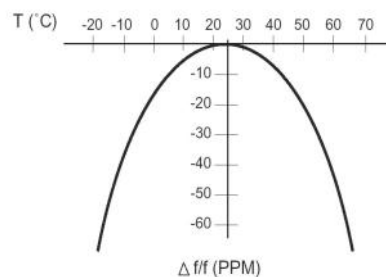
MODEL	3X8
FREQUENCY RANGE	STD: 32.768KHz (32.000KHz ~ 200.000KHz)
FREQ. TOLERANCE @ 25°C	±20ppm
PARABOLIC CURVATURE CONSTANT	-0.035ppm / °C <sup>2</sup> Typical
TURNOVER TEMPERATURE	25°C ± 4°C
OPERATING TEMPERATURE	-40°C to 85°C
STORAGE TEMPERATURE	-30°C to 100°C
LOAD CAPACITANCE	STD: 12.5pF, (see below for other options)
SHUNT CAPACITANCE	1.6pF Typical
CAPACITANCE RATIO	460 Typical
MOTIONAL CAPACITANCE	0.0035pF Typical
DRIVE LEVEL	1.0μW max.
AGING	±3ppm max. First Year
ESR	35KΩ max.

### PACKAGE DIMENSIONS



Unit:mm

### PARABOLIC TEMPERATURE CURVE



### PART NUMBERING GUIDE

