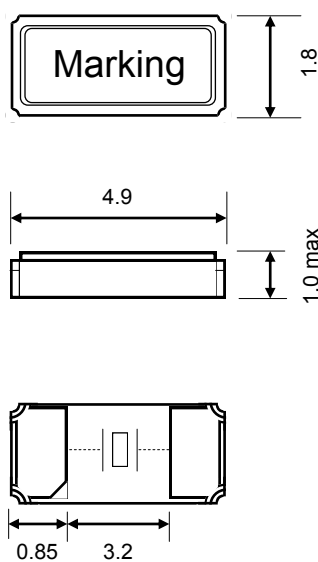


MINIATURE CERAMIC SMD TUNING FORK CRYSTAL (4.9 x 1.8x 1.0mm)
FEATURES:

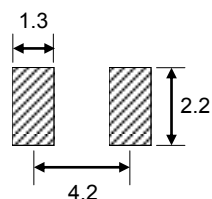
- SMALL CERAMIC SMD PACKAGE TUNING FORK
- EXCELLENT HEAT RESISTANCE
- -40°C ~ 85°C OPERATING TEMPERATURE


■ SPECIFICATION

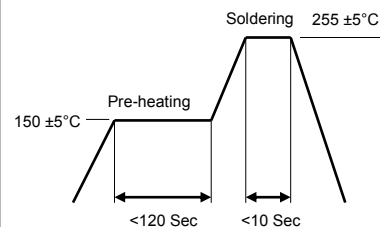
FREQUENCY RANGE	32.768kHz
FREQUENCY TOLERANCE @ 25°C	STD: ±20ppm, Option : ±10ppm available (Consult factory)
TEMPERATURE COEFFICIENT	-0.034ppm ±0.006 ppm / °C ²
OPERATING TEMPERATURE RANGE	-40°C ~ 85°C
STORAGE TEMPERATURE RANGE	-55°C ~ 125°C
TURN OVER TEMPERATURE	25°C ± 5°C
LOAD CAPACITANCE	12.5pF typ. 9.0pF available
SHUNT CAPACITANCE	1.35pF typ.
MOTIONAL CAPACITANCE	0.002pF typ.
EQUIVALENT SERIES RESISTANCE	70kΩ max.
INSULATION RESISTANCE	500MΩ min. @ 100V _{DC} ± 15V _{DC}
DRIVE LEVEL	0.1μW typ. 1.0μW max.
AGING @ 25°C ± 3°C	±3.0ppm/ 1 st year max.
QUALITY FACTOR	20000 min.
SHOCK	±5.0ppm max.
VIBRATION	±5.0ppm max.

■ PACKAGE DIMENSIONS


Unit : mm

■ SOLDER PATTERN


Unit : mm

■ REFLOW PROFILE


Note: Consult factory for detail

■ PART NUMBERING GUIDE
