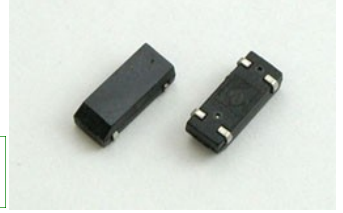


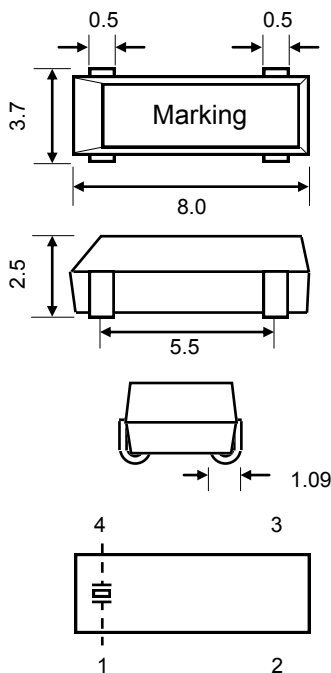
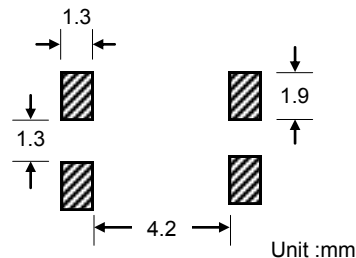
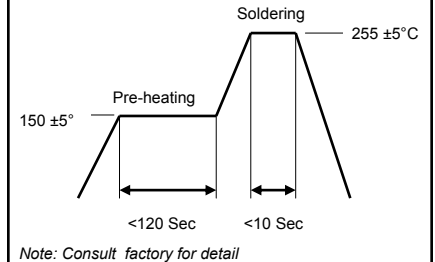
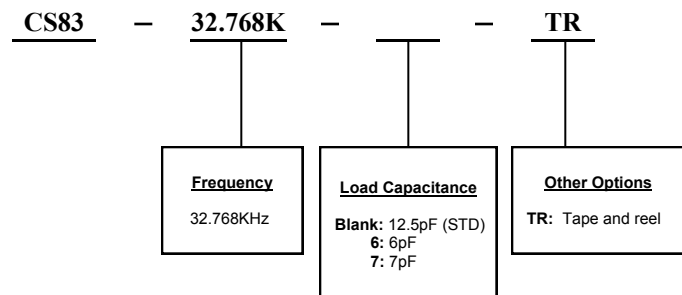
PLASTIC MOLDED SMD TUNING FORK CRYSTAL (8.0 x 3.7 x 2.5mm)
FEATURES:

- MINIATURE TUNING FORK CRYSTAL
- LOW PROFILE FOR HIGH DENSITY PCB DESIGN
- INDUSTRIAL OPERATING TEMPERATURE RANGE (-40°C to 85°C)

RoHS
Compliant



MODEL	CS83
FREQUENCY	32.768KHz
FREQUENCY TOLERANCE @ 25°C	± 20ppm max.
FREQUENCY STABILITY	- 0.034ppm ± 0.006ppm / °C ²
OPERATING TEMPERATURE	-40°C to 85°C
TURN OVER TEMPERATURE	25°C ± 5°C
STORAGE TEMPERATURE	-55°C to 125°C
LOAD CAPACITANCE	STD: 12.5pF, (see below for other options)
SHUNT CAPACITANCE	1.35pF typical
MOTIONAL CAPACITANCE	0.0023pF typical
ESR	50KΩ max.
INSULATION RESISTANCE	500MΩ min. @ 100VDC ± 15VDC
DRIVE LEVEL	0.1uW typical, 1.0uW max
AGING	± 3.0ppm max. @ 25°C ± 3°C
SHOCK	± 5.0ppm max.
VIBRATION	± 5.0ppm max.

PACKAGE DIMENSIONS

SOLDER PATTERN

REFLOW PROFILE

PART NUMBERING GUIDE


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