

## MINIATURE CERAMIC SMD TUNING FORK CRYSTAL (2.0 x 1.2 x 0.35mm)

### FEATURES:

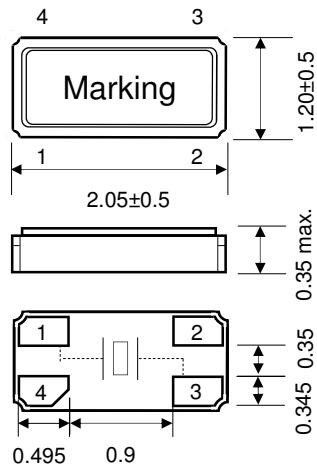
- SMALL SIZE CERAMIC SMD PACKAGE 32.768kHz
- 4 PADS PACKAGE
- -40°C ~ 85°C OPERATING TEMPERATURE



### ■ SPECIFICATION

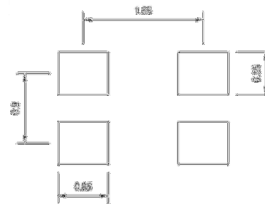
FREQUENCY	32.768kHz
FREQUENCY TOLERANCE @ 25°C ± 3°C	±20ppm, ±50ppm
TEMPERATURE COEFFICIENT	-0.033ppm / °C <sup>2</sup> typ., -0.040ppm / °C <sup>2</sup> max.
OPERATING TEMPERATURE RANGE	-40°C ~ +85°C
STORAGE TEMPERATURE RANGE	-55°C ~ +125°C
TURN OVER TEMPERATURE	25°C ± 5°C
LOAD CAPACITANCE	12.5pF, 9.0pF, 7.0pF, 6.0pF
SHUNT CAPACITANCE	0.8pF typ. 1.5pF max.
EQUIVALENT SERIES RESISTANCE	75kΩ max.
INSULATION RESISTANCE	500MΩ min. @ 100V <sub>DC</sub> ± 15V <sub>DC</sub>
DRIVE LEVEL	0.1μW typ., 1.0μW max.
AGING @ 25°C ± 3°C	±3.0ppm / 1 <sup>st</sup> year max.

### ■ PACKAGE DIMENSIONS

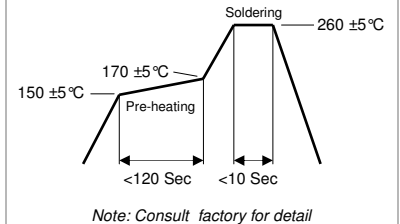


Pin Configuration	
1	Xtal
3	Xtal

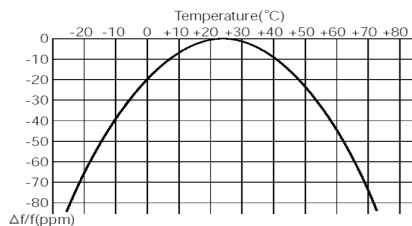
### ■ SOLDER PATTERN



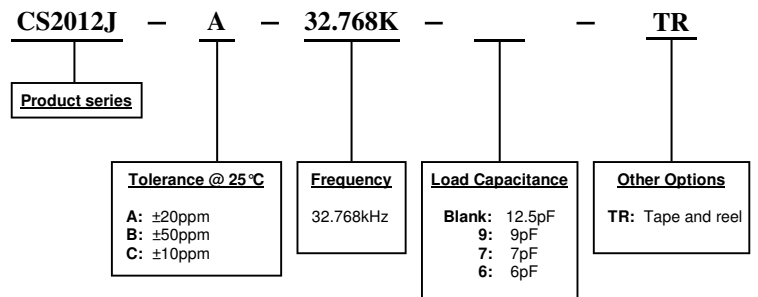
### ■ REFLOW PROFILE



### ■ TEMPERATURE COEFFICIENT



### ■ PART NUMBERING GUIDE



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