

CRYSTAL UNIT

TUNING FORK CS-146

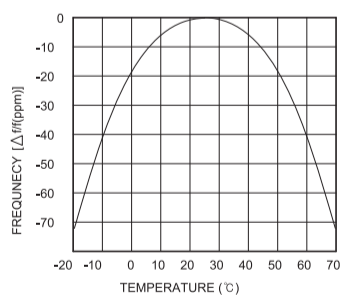
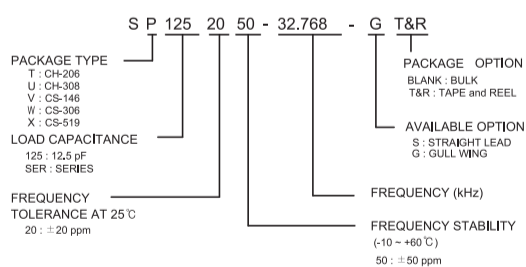
- Photolithography finished allows uniform stable performance
- Excellent shock resistance and environmental capability
- Low power consumption
- Suitable for time-keeping of clock and micro computer



ELECTRICAL SPECIFICATIONS

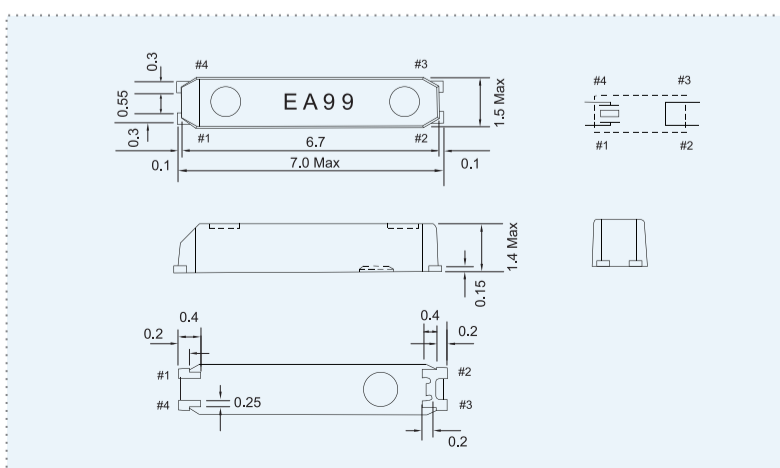
Frequency Range	32.768kHz, 75.000kHz
Operating Temperature Range	-10 to +60 °C (STD), -40 to +85 °C
Storage Temperature Range	-55 to +125 °C
Frequency Tolerance (at 25 °C)	±20(STD), ±50ppm
Peak Temperature (frequency)	25 ±5 °C
Temperature Coefficient(a)	-0.04ppm/°C ² max.
Load Capacitance(CL)	7pF, 12.5pF(STD)
Drive Level	1.0 μW max.
Series Resistance(R1)	65kΩ max(32.768kHz), 50kΩ max(75kHz)
Motional Capacitance(C1)	0.6~2.5 fF
Shunt Capacitance(Co)	0.5~1.2 pF
Insulation Resistance	500MΩ min. at 100V _{DC}
Aging (at 25 °C)	±3.0ppm/year max.

PART NUMBERING GUIDE



MECHANICAL DIMENSIONS

(mm)



LAND PATTERN

(mm)

