

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



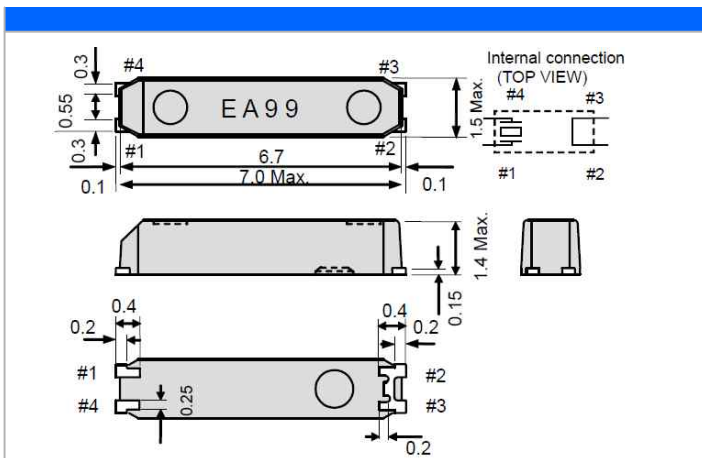
■ PART NUMBERING GUIDE

S TK 125 20 B - 32.768 - T&R	
<p>PACKAGE TYPE TC : CS-306, TJ: CS-519 TK : CS-146, TL: CS-3215</p> <p>LOAD CAPACITANCE 125 : 12.5 pF, 90 : 9.0 pF 70 : 7.0 pF</p> <p>FREQUENCY TOLERANCE AT 25°C 20 : ± 20 ppm</p> <p>OPERATING TEMPERATURE RANGE A: -40 to 85 °C, B : -20 to 70 °C, C : -10 to 60 °C</p>	<p>PACKAGE OPTION T&R : TAPE AND REEL BLANK : BULK</p> <p>FREQUENCY kHz</p>

■ ELECTRICAL SPECIFICATIONS

Nominal Frequency	32.768 kHz
Frequency Tolerance (at 25 °C)	±20 ppm
Load Capacitance (CL)	7.0 pF, 9.0 pF , 12.5 pF
Operating Temperature Range	-40 to +85 °C
Storage Temperature Range	-55 to +125 °C
Turnover Temperature	25 °C ± 5 °C
Temperature Coefficient	-0.04 ppm/ °C ²
Motional (series) resistance	65 KΩ
Drive Level	1 μW Max.
Aging (at 25 °C)	±3 ppm/year Max.
Shunt Capacitance (C0)	0.8 pF Typical

■ MECHANICAL DIMENSIONS (mm)



■ LAND PATTERN (mm)

