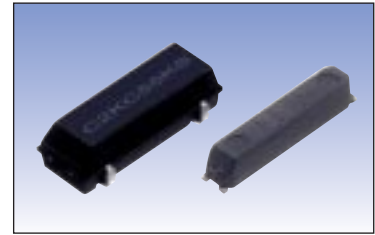


SMD TUNING FORK TYPE / 9H T2 , T7

■ **Features**

- Plastic mold package incorporated tubular type quartz crystal
- Suitable for automatic and high density surface mounting
- Excellent shock and heat resistance
- Multi dimension for choose.
- Reasonable cost.
- Contains high melting temperature type solder (Pb 85%) exempted by RoHS directive.



■ **Electrical Specifications**

Item	Type	9H T2	9H T7
Nominal Frequency		32.768 KHz	
Frequency Tolerance (at 25 °C)		± 20 ppm	
Operating Temperature Range		-40 ~ +85 °C	
Shunt Capacitance (C0)		1 pF typical	0.8 pF typical
Motional Capacitance		2.1 fF typical	1.9 fF typical
Insulation Resistance		500 MΩ Min.	
Drive Level		1 μW Max.	
Load Capacitance		12.5 pF	
Peak Temperature (Frequency)		25 °C ± 5 °C	
Frequency-Temperature Coefficient		-4*10 ⁻⁸ / °C ² Max.	
Aging (at 25 °C)		± 3 ppm / year Max.	
Storage Temperature Range		-55 ~ +125 °C	

■ **Equivalent Series Resistance (ESR)**

T2	T7
50 KΩ Max.	65 KΩ Max.

■ **Dimensions**

T2

Units: mm

Do not connect Terminals #2, #3 to the outside electrode. These are dummy terminals.

Connection

Suggested Layout

T7

Units: mm

Do not connect #2, #3 to external device

Connection

Suggested Layout