



### 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 T7
Nominal Frequency	32.768 KHz
Frequency Tolerance (at 25 °C)	± 20 ppm
Operating Temperature Range	- 40 ~ + 85 °C
Shunt Capacitance (C0)	0.8 pF typical
Motional Capacitance	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 <sup>-8</sup> / °C <sup>2</sup> Max.
Aging (at 25 °C)	± 3 ppm / year Max.
Storage Temperature Range	- 55 ~ + 125 °C

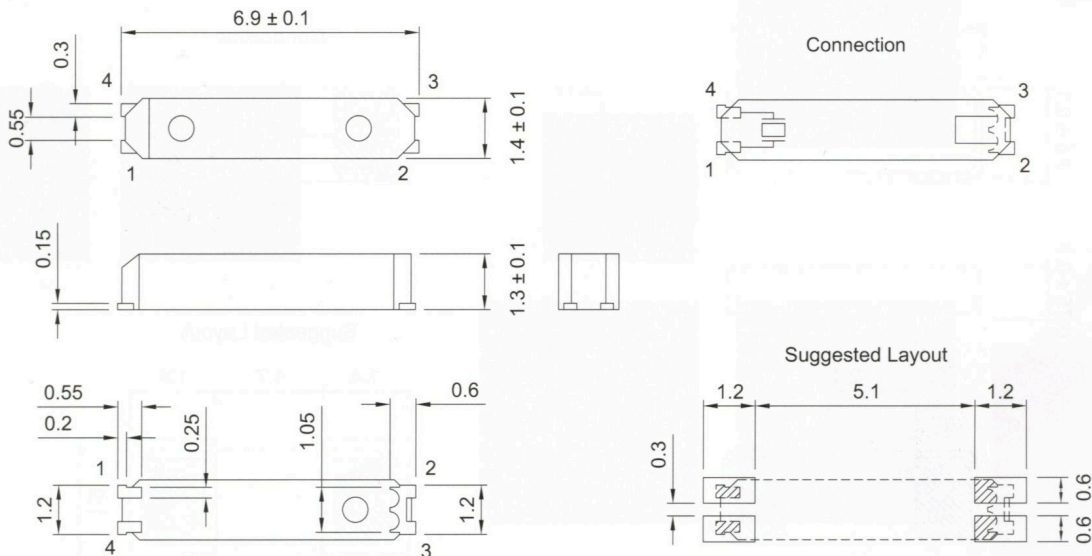
### Equivalent Series Resistance(ESR)

T7
65 K Ω Max.

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### Dimensions



Units:mm