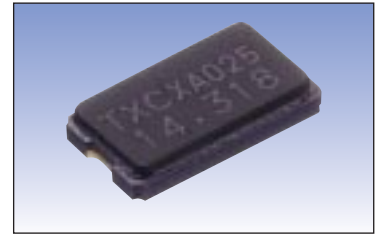


**8 x 4.5 mm SMD GLASS SEALED CRYSTAL / 6X SERIES**

■ **Features**

- Low profile 1.5 mm; glass sealed crystal units.
- Ceramic package assures high reliability.
- Tight tolerance and stability available.
- Designed for automatic mounting and reflow soldering.
- Reasonable cost and good delivery performance.
- The best choice of PC, and Notebook.
- Contains Pb in sealing glass exempted by RoHS directive.



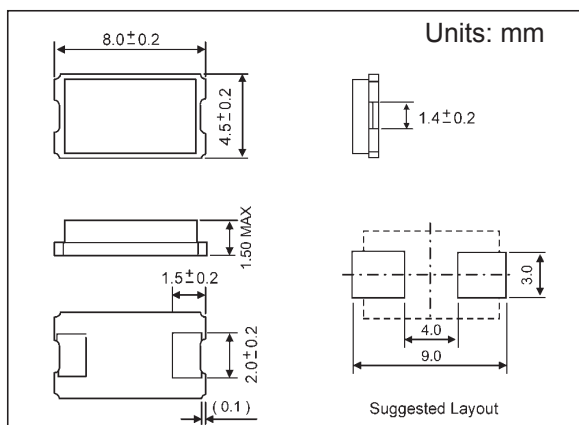
■ **Electrical Specifications**

Item	Type	6X
Frequency Range		8 ~ 80 MHz
Frequency Tolerance (at 25 °C)		± 30 ppm, or specify
Frequency Stability Over Operating Temperature Range		± 50 ppm, or specify
Operating Temperature Range		-10 ~ +70 °C, or specify
Shunt Capacitance (C0)		5 pF Max.
Drive Level		1 ~ 200 μW (100 μW typical)
Load Capacitance		Series, 6 pF, 10 pF, 16 pF, 20 pF, or specify
Aging (at 25 °C)		± 3 ppm / year Max.
Storage Temperature Range		-40 ~ +85 °C

■ **Equivalent Series Resistance (ESR)**

Fundamental		3rd Overtone	
8 ~ 10 MHz	80 Ω Max.	32 ~ 60 MHz	100 Ω Max.
10 ~ 16 MHz	60 Ω Max.	60 ~ 80 MHz	80 Ω Max.
16 ~ 48 MHz	40 Ω Max.		

■ **Dimensions**



■ **Reflow Condition**

