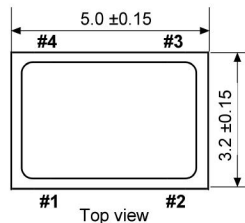


Quartz Crystal

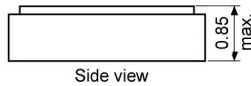
SMD-version

| | |
|------------------------------------|--------------|
| part no. | 12.89033 |
| model | KX – 9AT |
| frequency | 14.74560 MHz |
| mode | fundamental |
| operating temperature | -40° ~ +85°C |
| frequency tolerance at +25°C | ±30 ppm |
| temperature tolerance -40° ~ +85°C | ±100 ppm |
| load capacitance C_L | 16 pF |
| series resistance R1 (ESR) max. | 60 Ohm |
| aging at +25°C (first year) max. | ±2 ppm |
| shunt capacitance C_0 max. | 5.0 pF |
| drive level max. | 300 µW |
| contents of reel | 1000 pcs. |

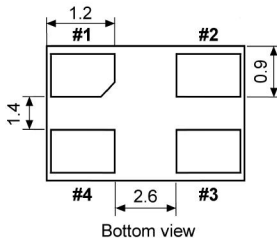
Dimensions:



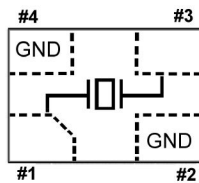
Top view



Side view



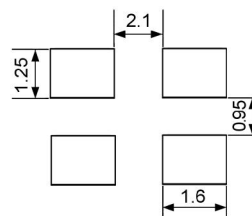
Bottom view



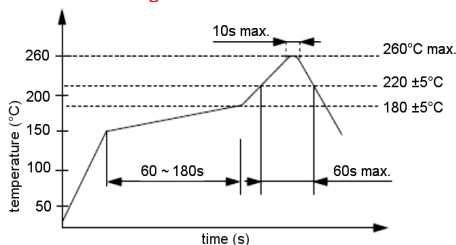
Top view connections

(#2 & #4: connected to metal lid)

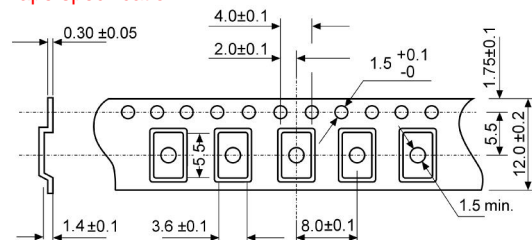
Suggested soldering pad:



Reflow soldering condition:



Tape specification:



reel diameter 178 mm