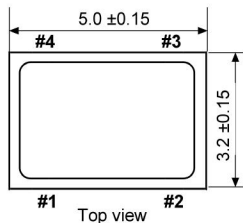


Quartz Crystal

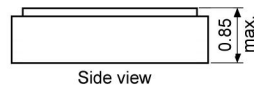
SMD-version

part no.	12.89205
model	KX – 9AT
frequency	12.80 MHz
mode	fundamental
operating temperature	-40° ~ +85°C
frequency tolerance at +25°C	±10 ppm
temperature tolerance -40° ~ +85°C	±20 ppm
load capacitance C_L	15 pF
series resistance R1 (ESR) max.	50 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.

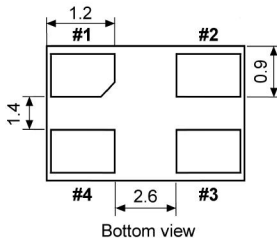
Dimensions:



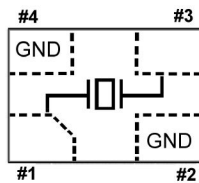
Top view



Side view



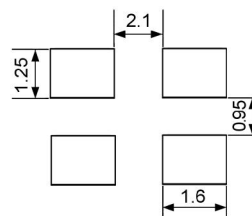
Bottom view



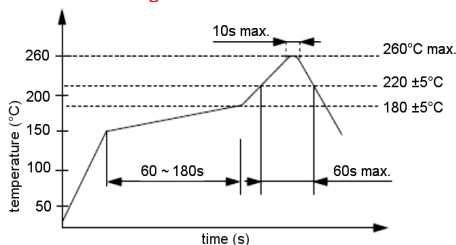
Top view connections

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

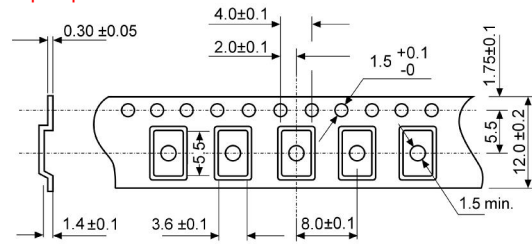
Suggested soldering pad:



Reflow soldering condition:



Tape specification:



reel diameter 178 mm