

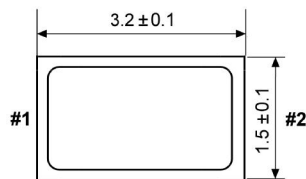


Tuning Fork Crystal

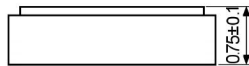
SMD-version

part no.	12.87150
model	KX-327NHT
frequency	32.768 kHz
operating temperature	-40° ~ +85°C
frequency tolerance at +25°C	±20 ppm
temperature tolerance (parabolic coefficient)	$(-0.035 \pm 10 \%) \times 10^{-6} / ^\circ\text{C}^2$
turnover temperature	+25°C ±5°C
storage temperature range	-55°C ~ +125°C
load capacitance C_L	12.5 pF
motional capacitance (C1)	0.0036 pF, typ.
series resistance R1 (ESR) max.	70k Ohm
aging at +25°C (first year) max.	±3 ppm
shunt capacitance C_0	1.3 pF (1.0 pF typ.)
drive level	1.0 μW max., 0.1 μW typ.
quality factor (Q) min.	20000
contents of reel	3000 pcs.

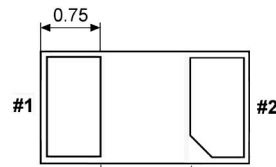
Dimensions (mm):



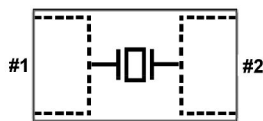
Top view



Side view

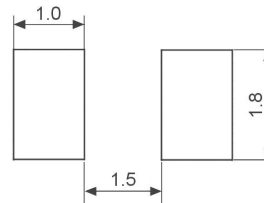


Bottom view

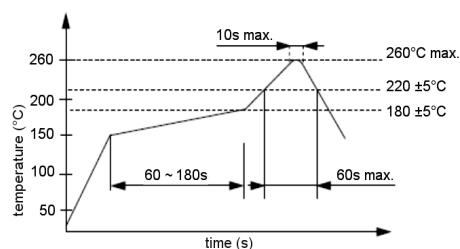


Top view connections

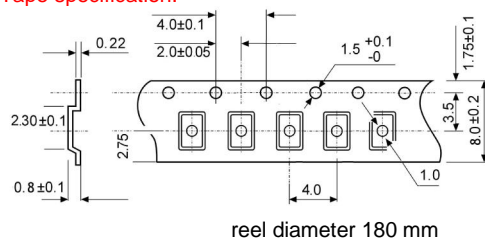
Suggested soldering pad:



Reflow soldering condition:



Tape specification:



reel diameter 180 mm