

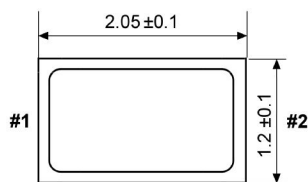


## Tuning Fork Crystal

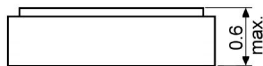
SMD-version

part no.	12.xxxxx
model	KX-327RT
frequency	32.768 kHz
operating temperature	-40° ~ +85°C
frequency tolerance (df/F) at +25°C ±3°C	standard ±20 ppm available ±10 ppm
temperature tolerance (parabolic coefficient)	-0.036 ppm ±10 % / °C <sup>2</sup> typ.
turnover temperature	+25°C ±5°C
storage temperature range	-55°C ~ +125°C
load capacitance C <sub>L</sub>	4 pF ~ 12.5 pF
motional capacitance( C <sub>1</sub> ) typ.	6 fF
shunt capacitance C <sub>0</sub> typ.	1.3 pF
series resistance R1 (ESR)	60k Ohm typ., 70k Ohm max.
aging (df/F) (first year) at 25°C ±3°C max.	±3 ppm
drive level typ.	0.1 μW
contents of reel	3000 pcs.

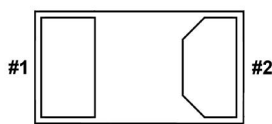
### Dimensions (mm):



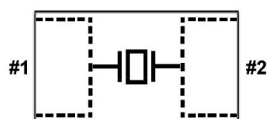
Top view



Side view

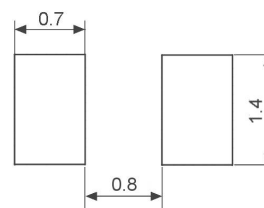


Bottom view

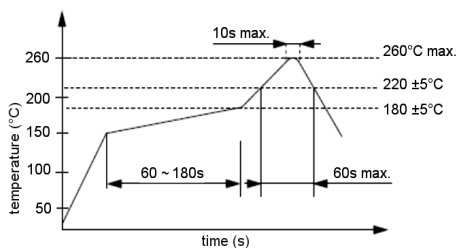


Top view connections

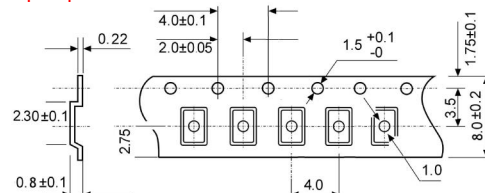
### Suggested soldering pad:



### Reflow soldering condition:



### Tape specification:



reel diameter 180 mm