

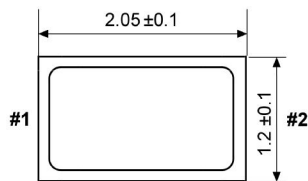


## Tuning Fork Crystal

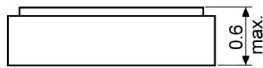
SMD-version

part no.	12.xxxxx
model	KX-327RF
frequency	32.768 kHz
operating temperature	-40° ~ +125°C
frequency tolerance (df/F) at +25°C ±3°C	standard ±20 ppm available ±10 ppm
temperature tolerance max. (parabolic coefficient)	-0.036 ppm / °C <sup>2</sup>
turnover temperature	+25°C ±5°C
storage temperature range	-55°C ~ +125°C
load capacitance C <sub>L</sub>	6 pF ~ 12.5 pF
motional capacitance( C <sub>1</sub> ) typ.	6 fF
shunt capacitance C <sub>0</sub>	1.3 pF typ.
series resistance R1 (ESR)	80k Ohm typ., 90k Ohm max.
aging (df/F) (first year) at 25°C ±3°C max.	±3 ppm
drive level typ.	0.1 μW
AEC-Q200	qualified
contents of reel	3000 pcs.

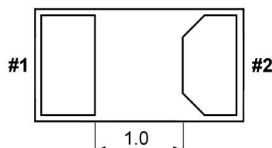
**Dimensions (mm):**



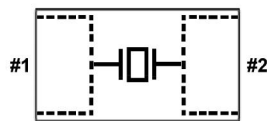
Top view



Side view

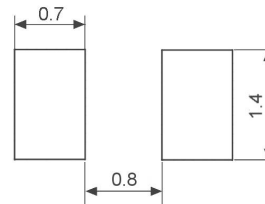


Bottom view

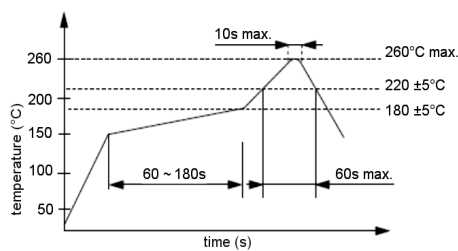


Top view connections

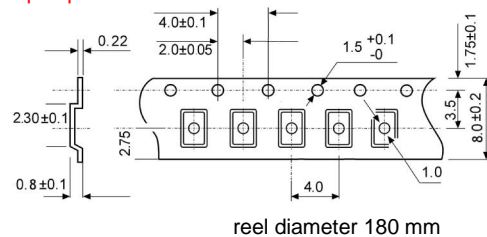
**Suggested soldering pad:**



**Reflow soldering condition:**



**Tape specification:**



reel diameter 180 mm