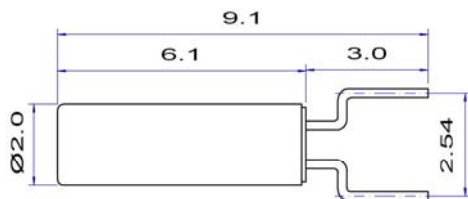


## SMD tuning fork Crystal

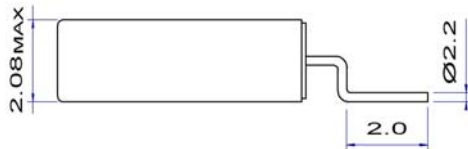
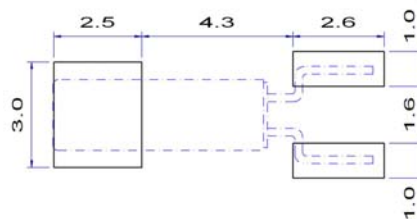
### Features

- Applications: telecommunications, audio, medical
- Low frequency: 32 to 160 kHz
- Reliable, low cost crystal
- Reflow soldering @ 260 °C

Parameter	Specification
Nominal frequency	32 ~ 160 kHz
Frequency tolerance	±20 ~ ±100 ppm @ +25 °C
Frequency stability	±100 ppm over -20 ~ +70 °C ±150 ppm over -40 ~ +85 °C
Aging	±3 ppm 1 <sup>st</sup> year
Load capacitance	parallel resonance (CL = 8 ~ 12.5 pF)
Series resistance	55 kΩ @ 32.768 kHz
Motional capacitance	2.1 pF Typ.
Shunt capacitance	0.9 pF Typ.
Drive level	0.1 μW Typ. < 0.5 μW
Turnover temperature	+25 °C ±5 °C
Temperature coefficient	-0.035 x (T-To) <sup>2</sup> ppm/°C <sup>2</sup>
Operating temperature range	-20 ~ +70 °C commercial application -40 ~ +85 °C industrial application
Storage temperature range	-55 ~ +125 °C
Packaging unit	tape & reel 2'000 or 3'000 pieces
Customer specifications on request	

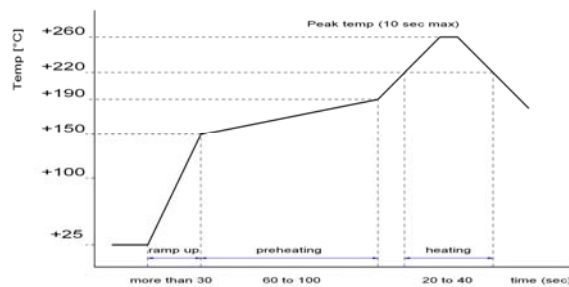


Example for soldering pattern



**Do not design any conductive path between the pattern**

Example for IR reflow soldering temperature



2002/95/EC RoHS compliant