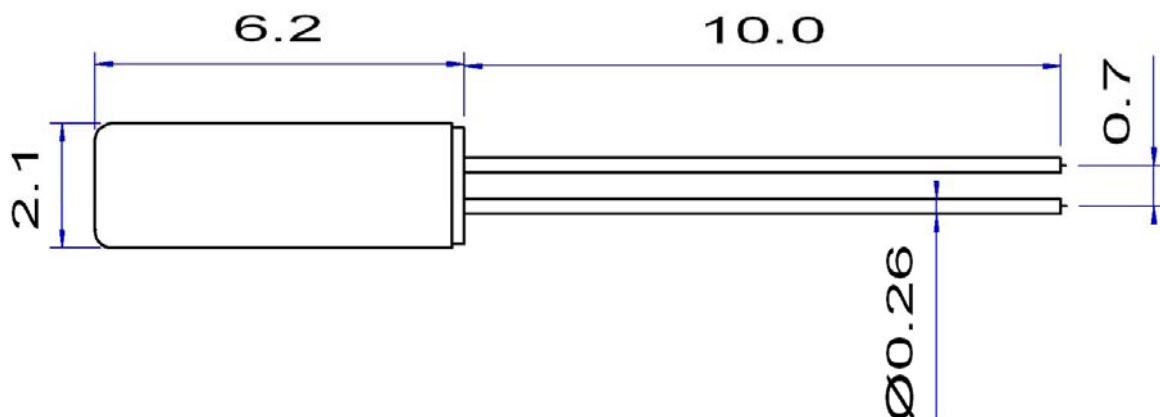


## Through hole tuning fork Crystal

### Features

- Applications: telecommunications, audio, medical
- Low frequency: 32 to 160 kHz
- Reliable, low cost crystal
- Tubular package (Ø 2.0 x 6.0 mm)

Parameter	Specification	
<b>Nominal frequency</b>	<b>32 ~ 160 kHz</b>	
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	Bulk in plastic bag	1'000 pieces
Customer specifications on request		



**2002/95/EC RoHS compliant**