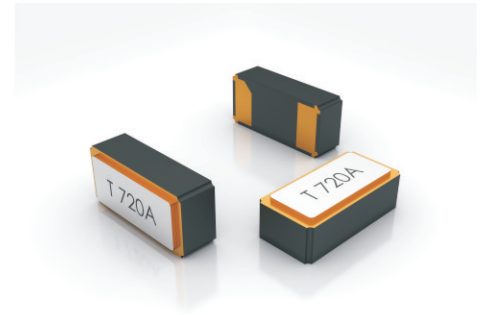


## SMD Tuning Fork Crystal TF1610



### Features

- Ultra-small size: 1.6 × 1.0 × 0.45 mm
- Ceramic seam welding package
- High stability and low aging
- Pb Free and RoHS compliant
- Applications: Small wireless device, Wireless module, IoT, Wearable device, TWS, Health care equipment, Small consumer equipment etc.

Electrical Specifications	
Item / Type	TF1610
Frequency Range	32.768kHz
Frequency Tolerance (at 25°C)	± 20ppm
Operating Temperature Range	-40°C to +85°C
Shunt Capacitance (C0)	2.0pF max
Drive Level	0.1uW (0.5uW max)
Load Capacitance	Series, 7pF, 9pF, 12.5pF, or specify
Aging	±5ppm max First year
Storage Temperature Range	-40°C to +125°C
Turnover Temperature	25°C±5°C
Temperature coefficient	-0.036+/-0.005ppm/°C <sup>2</sup>
Insulation Resistance	500MΩ at DC100V±10V

Equivalent Series Resistance(ESR)	
Fundamental	
32.768kHz	90kΩ max

