

Temperature Sensing

1K-Series (1612)

■ Features

- 1.6x 1.2 x H0.65 Max mm

■ Applications

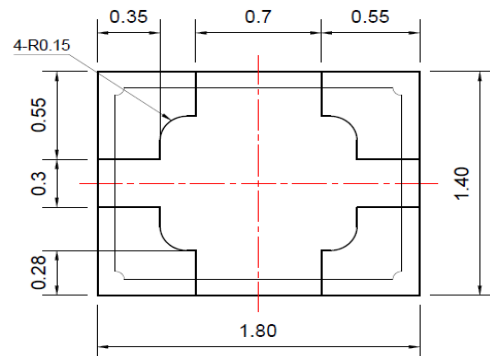
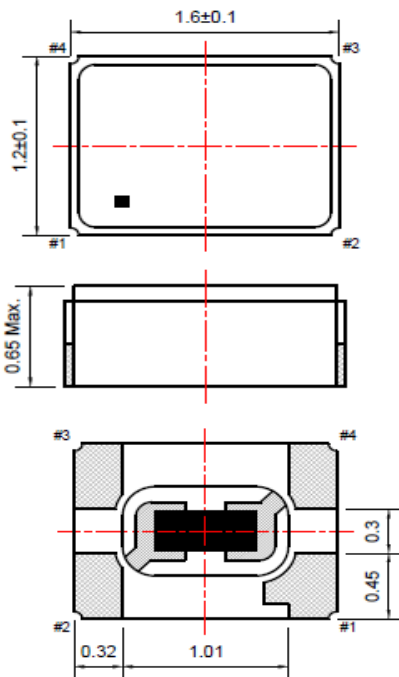
- Digital Electronics, Consumer Products
- Mobile Communications
- Bluetooth, Wireless LAN



■ General Specifications

#	Items	Parameters
1	Frequency range	76.8MHz
2	Load capacitance (CL)	7.0pF
3	Operating temperature	- 40 to +125°C
4	Storage temperature	- 40 to +125°C
5	Initial frequency tolerance	-10 ~ +22ppm
6	Frequency tolerance over temperature	±16ppm@- 30 to +85°C, ±35ppm@- 40 to +105°C, -35~+55ppm@- 40 to +115°C
7	Frequency aging	±0.7ppm/year
8	Equivalent series resistance	30Ω max
9	First-order curve fitting parameter	-0.5~-0.1 (ppm/°C)
10	Second-order curve fitting parameter	±6.0 (x10 ⁻⁴ ppm/°C ²)
11	Third-order curve fitting parameter	+8.5~+11.5 (x10 ⁻⁵ ppm/°C ³)
12	Thermistor resistance	100kΩ (At 25°C)
13	Thermistor B-constant	4,250K

■ Package Dimensions, Pad Functions, & Recommended Land Pattern (Unit: mm)



Pad connections & functions	
1	Xtal in
2	Thermistor out, connecting to ground
3	Xtal out
4	Thermistor in

Visit website



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