

Temperature Sensing 9K-Series (2016)

■ Features

- Size (L x W) 2.0 x 1.6, Height (Max.) 0.65 mm
- AEC-Q200 qualified

■ Applications

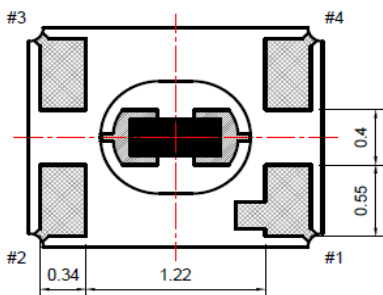
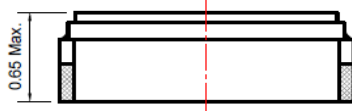
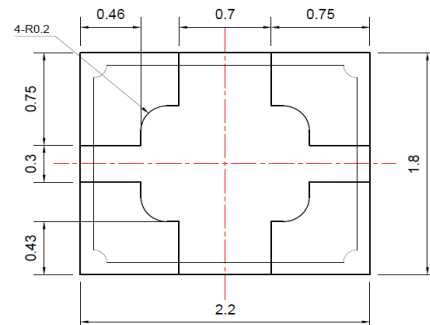
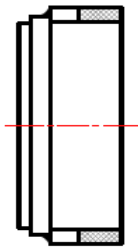
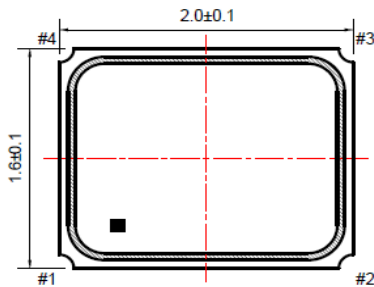
- Digital Electronics, Consumer Products
- Mobile Communications
- Bluetooth, Wireless LAN, GNSS



■ General Specifications

#	Items	Parameters
1	Frequency range	26MHz, 38.4MHz
2	Load capacitance (CL)	7.0pF, 8.0pF
3	Operating temperature	- 40 to +105°C
4	Storage temperature	- 40 to +105°C
5	Initial frequency tolerance	±10ppm
6	Frequency tolerance over temperature	±12ppm@- 30 to +85°C, ±30ppm@- 40 to +105°C
7	Frequency aging	±0.7ppm/year
8	Equivalent series resistance	50Ω max
9	First-order curve fitting parameter	-0.4~-0.1 (ppm/°C)
10	Second-order curve fitting parameter	±4.5 (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

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