

Thermistor Quartz Crystal

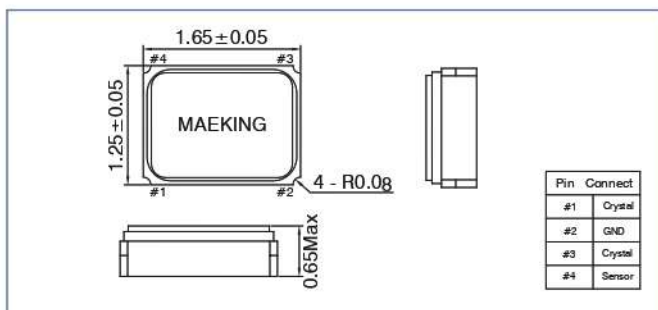
3.3 T1612

Thermistor quartz crystal T1612 series

FEATURES

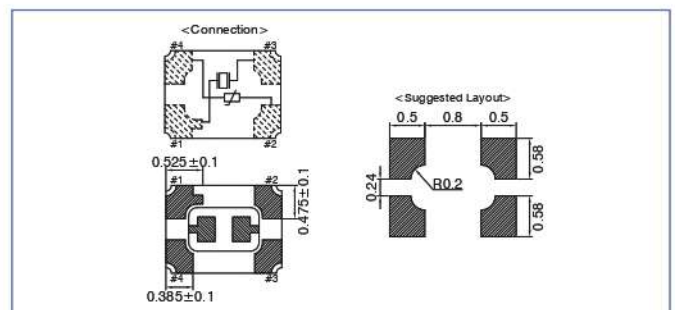
- Ultra-small size: $1.6 \times 1.2 \times 0.35$ mm
- Ceramic seam welding package
- High stability and low aging
- Pb Free and RoHS compliant

DIMENSIONS



TYPICAL APPLICATION

- Small wireless device, Wireless module, IoT, Wearable device, TWS
- Health care equipment, Small consumer equipment etc



ELECTRICAL SPECIFICATION

Item/Type	T1612
Frequency Range	26 ~ 76.8MHz
Frequency Tolerance (at 25°C)	±10ppm, or specify
Frequency stability over Operating Temperature	±12ppm, or specify
Operating Temperature Range	-30 ~ +85°C
Shunt Capacitance (C_0)	3pF Max.
Drive Level	100μW (typical)
Load Capacitance	7pF, or specify
Aging(at 25°C)	±1 ppm/year Max.
Storage Temperature Range	-40 ~ +85°C

EQUIVALENT SERIES RESISTANCE(ESR)

Frequency	Resistance
$26\text{MHz} \leq f_{\text{nom}} < 40\text{MHz}$	80Ω Max.
$40\text{MHz} \leq f_{\text{nom}} \leq 52\text{MHz}$	60Ω Max.
$52\text{MHz} < f_{\text{nom}} \leq 96\text{MHz}$	40Ω Max.

FREQ. STABILITY vs. TEMP. RANGE

Temp.(°C)	ppm	±12
-30 ~ +85		○

*o: Available Δ: Condition X: Not available

Note: not all combination of options are available. Other specifications may be available upon request.