

Kingtronics®

QKT – 3080-DIP

TUNING FORK (KHZ) CRYSTAL

FEATURES

- Wide Frequency range.
- High shock tolerance.
- Small size.
- Reliable frequency stability.
- Pb-free and RoHS/Green compliant.

APPLICATIONS

Permits use as a clock source for communication equipment, AV equipment, OA equipment, measuring instruments and various of clocks.

PICTURE



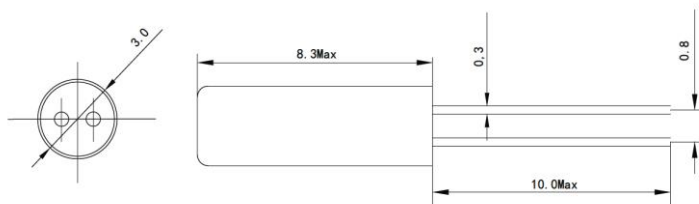
SPECIFICATIONS

Holder Type	Tuning Fork 3080
Frequency Range	30KHz to 200KHz
Frequency Tolerance (Δ F) (at25°C)	±10ppm to ±30ppm
Parabolic curvature constant	-0.042ppm / (Δ°C)² Maximum
Q - factor	50000 Minimum
Operating Temperature Range	-10°C - +60°C
Storage Temperature Range	-40°C - +85°C
Aging (25°C)	±5ppm/ year Maximum
Shunt Capacitance (C0)	1.6PF Typical, 2pF Maximum
Motional Capacitance (C1)	3.0fF Typical
Drive Level	1μW Maximum
Insulation Resistance (Rs)	500 Mega ohms Minimum at D.C100V
Load Capacitance (CL)	Suggested by customer

EQUIVALENT SERIES RESISTANCE(ESR) AND MODE OF OPERATION

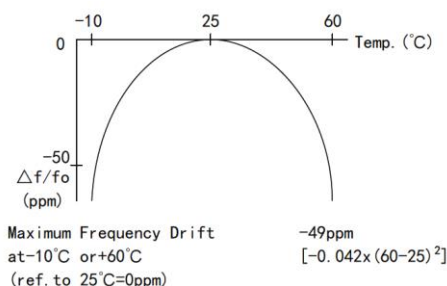
Frequency Range	ESR(Ω)
30.000KHz ≤ f < 40.000KHz	40KMax
40.000KHz ≤ f < 60.000KHz	30KMax
60.000KHz ≤ f < 70.000KHz	25KMax
70.000KHz ≤ f < 100.000KHz	22KMax
100.000KHz ≤ f < 200.000KHz	20KMax

MECHANICAL DIMENSIONS: Unit: mm



Note: Specifications are subject to change without notice.

FREQUENCY VS. TEMPERATURE CURVE



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