

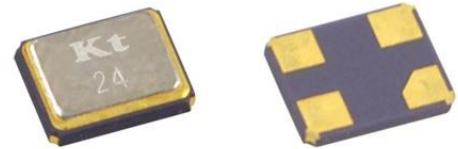
Kingtronics®

QKT - 1612SMD QUARTZ CRYSTAL

FEATURES

- The entire package can be grounded via the top metal lid and the two bottom pads
- Small footprint. Ideal for space constrained applications
- Exhibits extremely low aging with a high shock & vibration resistance

PICTURE



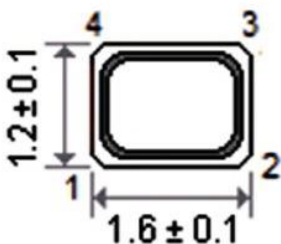
SPECIFICATIONS

Holder Type	1.6x1.2mm Ceramic Surface Mount
Frequency Range	24MHz to 48MHz (Fund.)
Crystal Cut //Load Capacitance	AT – Cut // Series or Parallel (8 to 32pF) resonance
Drive Level	10µW typical (100µW max.)
Frequency Tolerance (Δ F)	±10ppm, ±20ppm or ±30ppm (max.) at 25°C
Aging	Δ F/F: ±3ppm / year (max.)
Storage Temperature Range	-50°C to 105°C

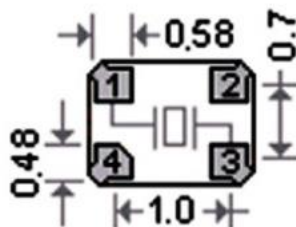
EQUIVALENT SERIES RESISTANCE(ESR)

Frequency Range	ESR (Ω)
24.000MHz ≤ f < 29.900MHz	120max
30.000MHz ≤ f < 36.900MHz	100max
40.000MHz ≤ f < 48.000MHz	80max

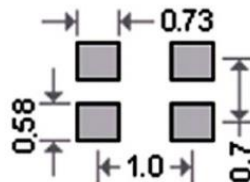
MECHANICAL DIMENSIONS: Unit: mm



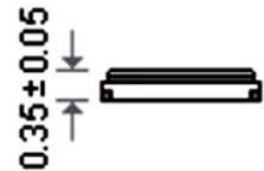
Top View



Bottom View



Suggested Layout



Pad Connections:
Pad 1 and 3: Crystal
Chamfered pad is pad No.4

Note: Specifications are subject to change without notice.

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