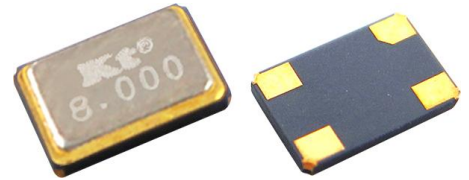


Kingtronics®**QKT - 5032SMD**
QUARTZ CRYSTAL**FEATURES**

Tight tolerance & stability; Rugged AT-cut crystal construction
 Miniature 5.0x3.2mm ceramic package
 High precision characteristic covering up to high frequency range
 Automatic mounting; Embossed taping specification
 Suitable for Reflow soldering
 Pb-free and RoHS/Green compliant

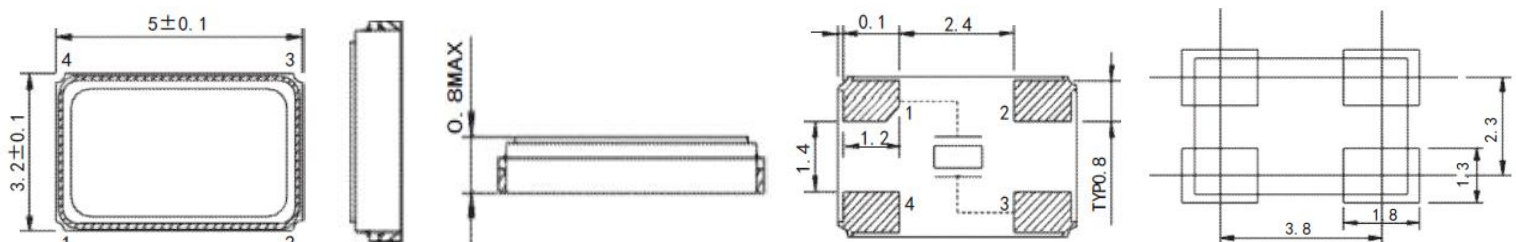
PICTURE**SPECIFICATIONS**

Holder Type	5x3.2mm Ceramic Surface Mount
Frequency Range	8.000 MHz to 150.0000 MHz
Frequency Tolerance (ΔF) (at 25°C)	± 10 ppm to ± 30 ppm
Frequency Drift	± 10 ppm to ± 30 ppm※(See Notes)
Operating Temperature Range	-20°C - +70°C / -40°C - +85°C
Storage Temperature Range	-40°C - +85°C / -55°C - +125°C
Aging (25°C)	± 3 ppm/ year max.
Shunt Capacitance (C0)	5pF max.
Drive Level	10 μ W (300 μ W max.)
Insulation Resistance (Rs)	500 Megaohms Minimum at D.C 100V
Load Capacitance (CL)	Suggested by customer

※Notes: ± 10 , ± 20 , ± 30 ppm (-20°C to +70°C)
 ± 20 , ± 30 , ± 50 ppm (-40°C to +85°C) or depends on customer

EQUIVALENT SERIES RESISTANCE(ESR) AND MODE OF OPERATION

Frequency Range	ESR(Ω)	Mode
8.000MHz $\leq f < 10.000$ MHz	100max	Fundamental
10.000MHz $\leq f < 12.000$ MHz	80max	Fundamental
12.000MHz $\leq f < 16.000$ MHz	60max	Fundamental
16.000MHz $\leq f < 20.000$ MHz	50max	Fundamental
20.000MHz $\leq f < 24.000$ MHz	40max	Fundamental
24.000MHz $\leq f < 50.000$ MHz	30max	Fundamental
40.000MHz $\leq f < 150.000$ MHz	80max	Third Overtone

MECHANICAL DIMENSIONS: Unit: mm

Suggested solder pad layout

Note: Specifications are subject to change without notice.

Note) #2, #4 is connected with a cover
 (Please connect with a GND or a power supply)

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