

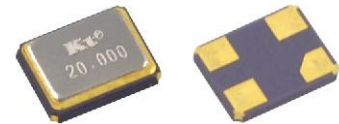
Kingtronics®

QKT - 3225SMD QUARTZ CRYSTAL

FEATURES

- Rugged AT-cut crystal construction: Embossed tapping specification
- Miniature 3.2x2.5mm ceramic package
- Pb-free and RoHS/Green compliant
- Designed for automatic mounting and reflow soldering

PICTURE



SPECIFICATIONS

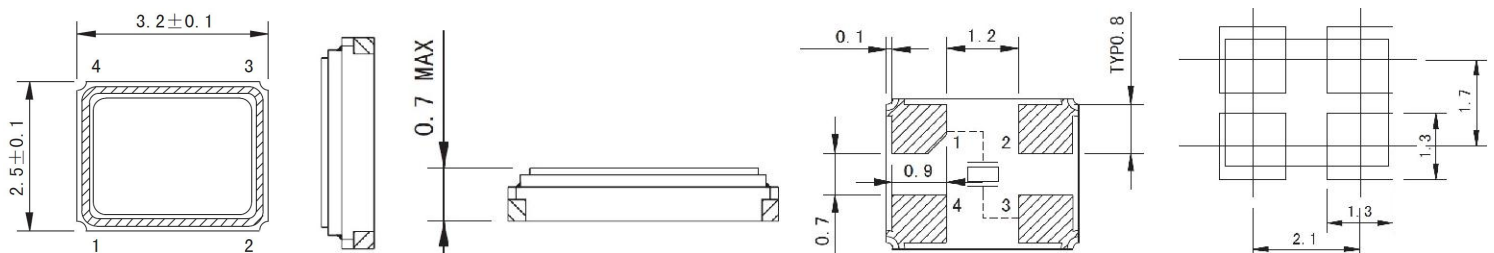
Holder Type	3.2x2.5mm Ceramic Surface Mount
Frequency Range	12MHz to 54MHz
Frequency Tolerance (ΔF) (at25°C)	± 10 ppm to ± 30 ppm
Frequency Drift	± 10 ppm to ± 30 ppm※(See Notes)
Operating Temperature Range	-20°C - +70°C / -40°C - +85°C
Storage Temperature Range	-40°C - +85°C / -55°C - +125°C
Aging (25°C)	± 3 ppm/ year max.
Shunt Capacitance (C0)	3pF max.
Drive Level	10 μ w (100 μ W max.)
Insulation Resistance (Rs)	500 Mega ohms Minimum at D.C100V
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
12.000MHz \leq f < 16.000MHz	100 Ω max	Fundamental
16.000MHz \leq f < 20.000MHz	80 Ω max	Fundamental
20.000MHz \leq f < 24.000MHz	60 Ω max	Fundamental
24.000MHz \leq f < 54.000MHz	40 Ω max	Fundamental

MECHANICAL DIMENSIONS: Unit: mm



Suggested solder pad layout

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

Note: Specifications are subject to change without notice.

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