

# Kingtronics®

## QKT - OSC2520 SMD OSCILLATOR

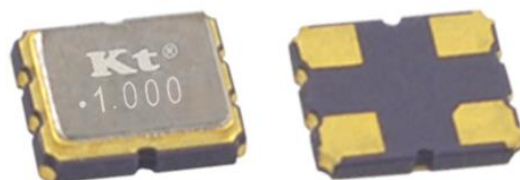
### FEATURES

- Tight frequency tolerance.
- CMOS compatible logic levels.
- Pin-compatible with standard 2.5x2.0mm packages.
- Designed for standard reflow and washing techniques.
- Low power standby mode.
- Pb-free and RoHS/Green compliant.

### APPLICATIONS

Ideally suited designed for use in Ethernet, network adapter cards, hard disk devices, blue tooth, PCMCIA Cards, Palmtop Computer, Portable Applications.

### PICTURE

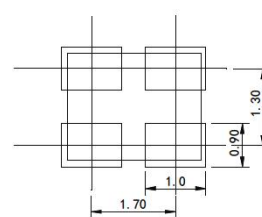
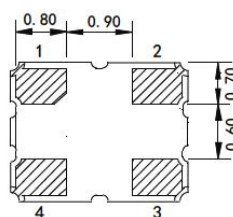
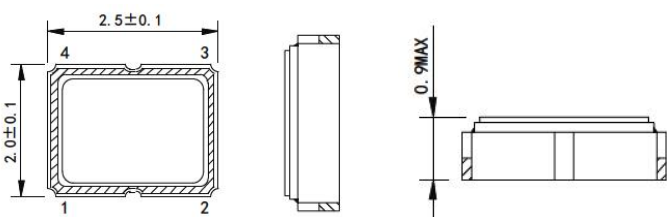


### SPECIFICATIONS

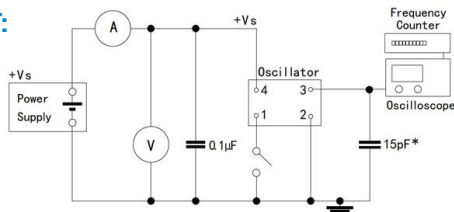
Holder Type	2.5x2.0mm SMD OSCILLATOR
Frequency Range	1.0MHz to 64MHz
Frequency Tolerance	±20ppm to ±50ppm
Supply Voltage	3.3V ±10%※(See Notes)
Operating Temperature Range	-20°C - +70°C / -40°C - +85°C
Storage Temperature Range	-40°C - +85°C / -55°C - +125°C
Symmetry (Duty Cycle)	45/55 Standard
Current Consumption (15pf only)	1.000Mhz - 49.999Mhz=20mA max
(3.3V)	50.000Mhz - 64.000Mhz=30mA max
Current Consumption (15pf only)	1.000Mhz - 49.999Mhz=15mA max
(1.8V 2.5V 2.8V)	50.000Mhz - 64.000Mhz=25mA max
Rise/Fall Time	5 nS max

※Notes: The supply voltage 1.8V, 2.5V, 2.85V also can be made by customer.

### MECHANICAL DIMENSIONS: Unit: mm



### TEST CIRCUIT:



PIN	FUNCTION
1	Tri-state※(See Notes)
2	Ground
3	Output
4	Vdd

suggested solder pad layout

※Notes: Tri-state: PIN 1 connected to Vdd or floating, the product is working properly;connected to GND,stops working.

Note: Specifications are subject to change without notice.

**Kingtronics® International Company**

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