

Kingtronics®

QKT-5S5032

DIFFERENTIAL CRYSTAL OSCILLATOR

FEATURES

- LVDS LVPECL HCSSL
- Wide Frequency Range
- Low Operating Voltage: 1.8V/2.5V/3.3V
- Tri-state Available

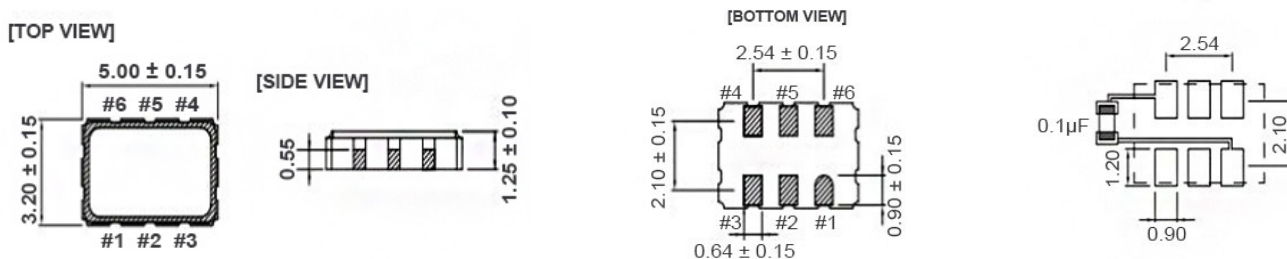
PICTURE



ELECTRICAL SPECIFICATIONS

Frequency Range	10MHz to 250MHz
Output	LVDS, LVPECL, HCSSL
Supply Voltage	1.8V, 2.5V, 3.3V (±10%)
Frequency Stability	±20ppm
Operating Temperature Range	-40°C ~ +85°C
Current Consumption	100mA max.
Output Load	100Ω between output and complementary output
Symmetry	45% to 55%
Start-up Time	3ms max.
Rise/ Fall Time	1ns max.
Output Enable/ Disable Time	Enable: 10ms max. Disable: 0.2µs max.
Output Logic High "1"	70%VDD.
Output Logic Low "0"	30%VDD.
Phase Jitter	0.5psec. @12KHz to 20MHz
Storage Temperature Range	-55°C ~ +125°C
Aging (at 25°C)	±2ppm/year max.

MECHANICAL DIMENSIONS: Unit: mm



To ensure optimal oscillator performance, place a by-pass capacitor of 0.1µF as close to the part as possible between Vdd and GND pads.

Pin#	Function
1	Tri-state/NC
2	NC/Tri-State
3	GND
4	Output
5	Comp. Output
6	VDD

Note: Specifications are subject to change without notice.

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