

Enhanced Stability Crystal Oscillator

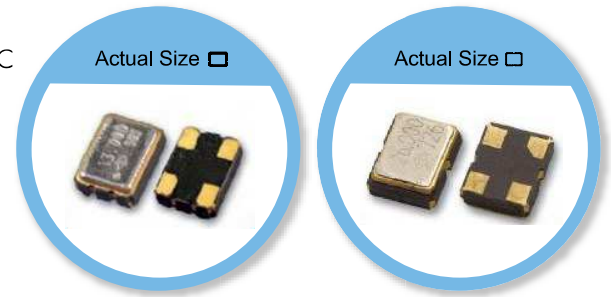
OX-A/OY-A Series-3.2 X 2.5 / 2.5 X 2.0 mm SMD Crystal Oscillator

FEATURE

- Tight Tolerance: ± 4 ppm accuracy @25°C, ± 4 ppm over -40°C to +85°C
- LVCMOS Output Logic
- Tight symmetry (45 to 55%) available.
- Operation voltage: 1.8V, 2.5V, 3.3V.
- Tri-state enable/disable.
- Femto second phase jitter and -152dBc/Hz at 10kHz offset.

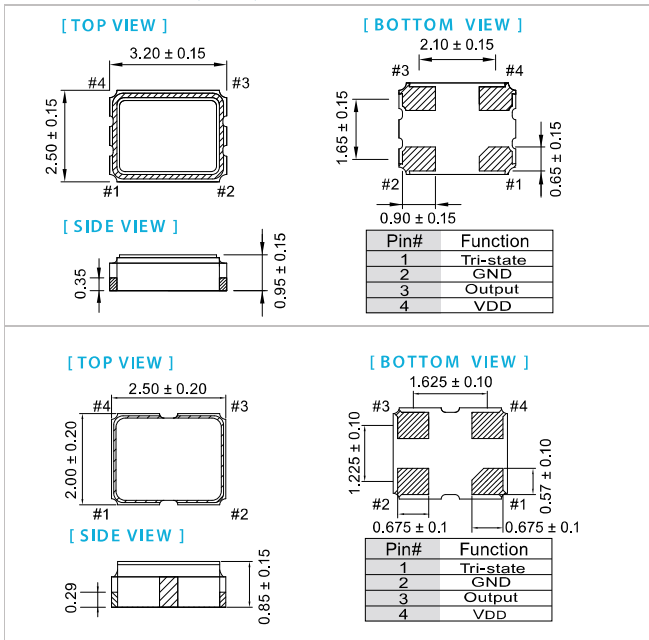
TYPICAL APPLICATION

- Wireless Connectivity
- Video Distribution

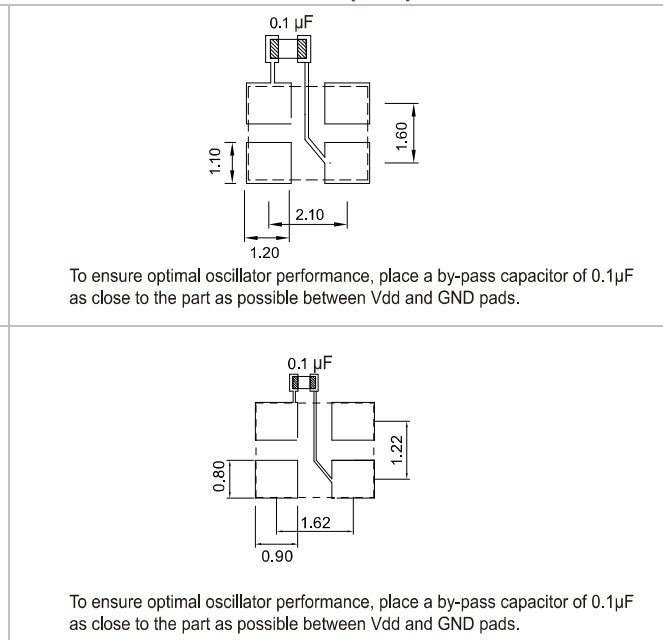


RoHS Compliant

DIMENSION (mm)



SOLDER PAD LAYOUT (mm)



ELECTRICAL SPECIFICATION

Parameter		3.3V		2.5V		1.8V		Unit
		Min.	Max.	Min.	Max.	Min.	Max.	
Supply Voltage Variation (VDD)		VDD-10%	VDD+10%	VDD-10%	VDD+10%	VDD-10%	VDD+10%	V
Frequency Range		19	60	19	60	19	60	MHz
Supply Current 19 ≤Fo ≤60 MHz		—	10	—	7	—	5	mA
Duty Cycle		45	55	45	55	45	55	%
Output Level (CMOS) Output High (Logic“1”)		2.97	—	2.25	—	1.62	—	V

Standard frequencies are frequencies which the crystal has been designed and does not imply a stock position

+Transition times are measured between 10% and 90% of VDD, with an output load of 15pF

FREQ. STABILITY vs. TEMP. RANGE

Temp. (°C)	ppm	±5	±10	±15
-10 ~ +60	○	○	○	○
-20 ~ +70	△	○	○	○
-40 ~ +85	×	○	○	○

* O: Available △: Conditional X: Not available

* Inclusive of calibration @ 25°C, operating temperature range, input voltage variation, load variation, aging (1st year), shock, and vibration

Note: not all combination of options are available. Other specifications may be available upon request.

Rev(4)07/2018

www.taitien.com

sales@taitien.com.tw