



SMD Crystal Oscillator 2.5 x 2.0 x 0.8 mm 2C Series



Features

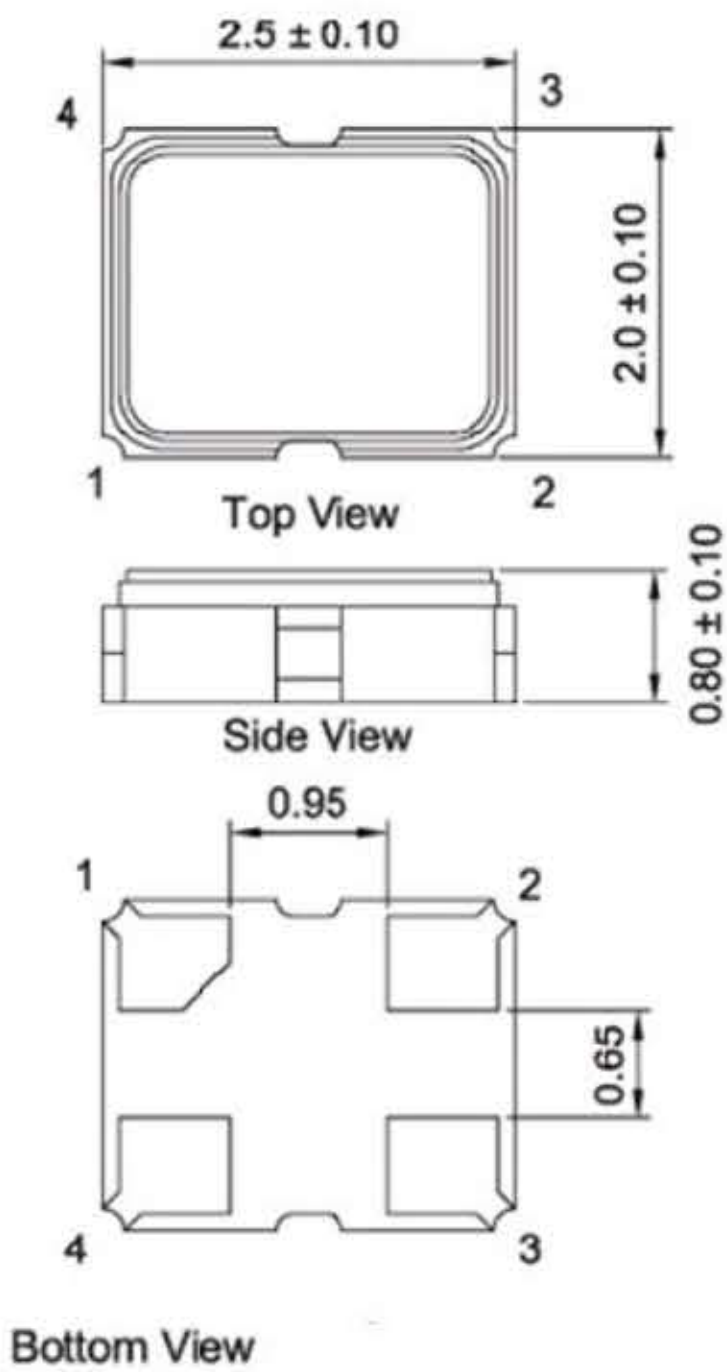
- Ultra Small SMD seam sealed clock crystal oscillator units.
- For applications in WLAN, Bluetooth, DSC, DSL and other IT product.
- Tri-state function available.

Electrical Specifications

Item / Type

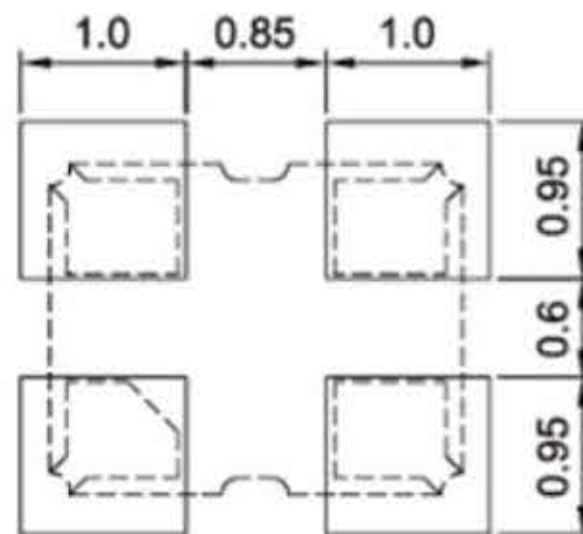
Frequency Range	32.768KHZ
Output Type	COMS/TTL
Oscillation Mode	Fundamental / 3rd Overtone
Supply Voltage	1.8 V, 2.5 V, 2.8 V, 3.3 V, 5v
Output Load	15 pF, or specify
Frequency Stability	± 20 ppm, ± 30 ppm
Operating Temperature Range	- 20 ~ + 75 °C, - 40 ~ + 85 °C
Storage Temperature Range	- 55 ~ + 125 °C
Voltage Vol (Max.) / Voh (Min.)	0.1 VDD / 0.9 VDD
Rise (Tr) / Fall (Tf) Time	8 ns Max.
Supply Current	15 mA Max.
Symmetry	45 ~ 55 %
Start-up Time	5 ms Max.
Phase Jitter (12 KHz ~ 20 MHz)	1 ps Max.
Aging (at 25 °C)	± 3 ppm / year Max.

Dimensions



PAD FUNCTION:

- 1: ENABLE CONTROL
- 2: GND
- 3: OUT
- 4: VDD



Top View Suggested Layout

Units: mm