

SMD

Crystal Oscillator

7.0 x 5.0 x 1.3 mm 7C Series



Features

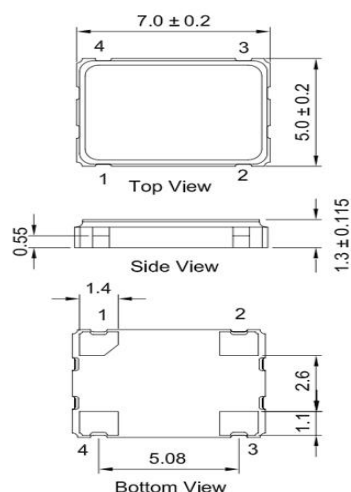
- . Small SMD seam sealed clock crystal oscillator units.
- . High precision characteristic covering up to wide frequency range.
- . Designed for automatic mounting and reflow soldering .
- . Tri-state function available.
- . Supply voltage range 1.8v-5v.
- . High stability ,low jitter ,low power consumption
- . Main application : wireless communication PC and LCDM..



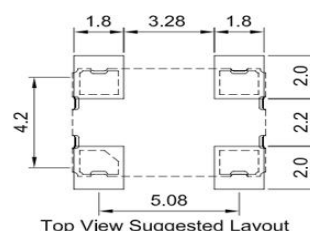
Electrical Specifications

Item / Type	
Frequency Range	32.768 KHZ
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



Units: mm