

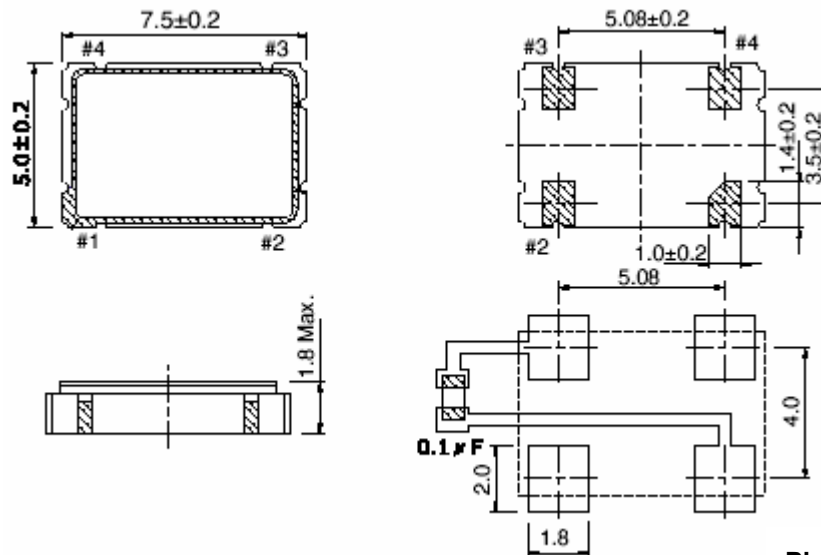
Features

- HCMOS/TTL, 32.768KHz Oscillator Special Frequency
- Ceramic SMD Package, Seam sealed, 7x5x1.8mm
- 2.5V / 3.3V Operation
- RoHS Compliant

Specification

Parameter	Characteristic
Frequency Range	32.768KHz
Frequency Stability	+/- 100ppm std. (See Table 4) Inclusive of Operating Temperature
Operating Temperature Range	0 ~ +70°C std. (See Table 5)
Storage Temperature Range	-55 ~ +125°C
Input Voltage	3.3Vdc +/- 10% std. (See Table 3)
Input Current	0.45mA typical, 1mA max
Output 0 Level (Vol)	0.33Vdc max
Output 1 Level (Voh)	2.97Vdc min
Symmetry (Duty Cycle)	40/60%@1/2Vdc std. (See Table 6)
Rise & Fall Time	200nS max
Tri-state (Input to Pin# 1)	Logic 1 or Open : Oscillation Logic 0 : High Impedance
Start Up Time	5mS max
Output waveform vs. Load	HCMOS-TTL / 15pF
Aging(at 25°C)	+/- 5ppm / year max

Drawing



Pin Connection

1. E/D or N.C
2. Ground
3. Output
4. Vcc

Ordering Guide

Typical P/N : C57LH - 32.768K - 2 - 25 C S1 T -TR
 1 2 3 4 5 6 7 8

- 1. Package C57LH = 7x5x1.8mm
(7x5mm Ceramic SMD Oscillator, KHz, HCMOS/TTL)
- 2. Frequency range : 32.768KHz Special Freq.
- 3. Input Voltage : 2 = 2.5V / 3 = 3.3V

4. Frequency Stability

- 00 : +/- 100ppm
- 50 : +/- 50ppm
- 25 : +/- 25ppm

5. Operating Temperature Range

- A : 0~70°C
- B : -20~70°C
- C : -40~85°C
- D : -10~70°C
- * : The others

6. Symmetry (Duty Cycle)

- S1 : 45/55% at 1/2Vdc
- S2 : 40/60% at 1/2Vdc

7. Pin#1 Connection

- T : Tri-state
- Blank : No connection

8. Packing

- TR : Tape and Reel
- BU : Bulk
- TU : Tube