

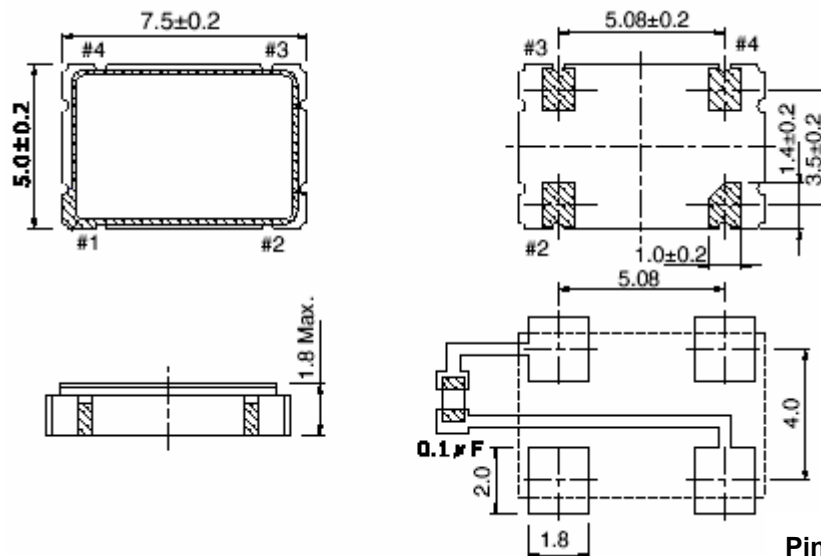
Features

- HCMOS/TTL
- Ceramic SMD Package, Seam sealed, 7x5x1.8mm
- 1.8V / 2.5V / 3.3V / 5.0V Operation
- RoHS Compliant

Specification

Parameter	Characteristic
Frequency Range	1.000MHz ~ 167.0000MHz
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	80mA max (See Table A)
Output 0 Level (Vol)	10%Vdc max
Output 1 Level (Voh)	90%Vdc min
Symmetry (Duty Cycle)	40/60%@1/2Vdc std. (See Table 6)
Rise & Fall Time	10nS max (See Table B)
Start Up Time	10mS max
Output waveform vs. Load	HCMOS-TTL / 15pF or 10TTL
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 : C57XH - 125M - 2 - 50 B S1 T -TR

1 2 3 4 5 6 7 8

1. Package C57XH = 7x5x1.8mm

(7x5mm Ceramic SMD Oscillator, HCMOS/TTL)

2. Frequency range : 1 to 167MHz (1.8/2.5/3.3V)
1 to 106.250MHz (5.0V)

3. Input Voltage :

- 1 : 1.8V
- 2 : 2.5V
- 3 : 3.3V
- 5 : 5.0V

4. Frequency Stability

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

5. Operating Temperature Range

- A : 0~70℃
- B : -20~70℃
- C : -40~85℃
- D : -10~70℃
- * : 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

A. Input Current

(unit : mA)	5.0V	3.3V	2.5V	1.8V
1MHz to 34.999MHz	25	16	10	8
35MHz to 59.999MHz	50	25	20	15
60MHz to 99.999MHz	60	40	30	25
100MHz to 106.25MHz	80	50	40	35
106.251MHz to 167MHz	-	50	40	35

B. Rise / Fall Time

(unit : nS)	5.0V	3.3V	2.5V	1.8V
1MHz to 34.999MHz	8	10	10	10
35MHz to 59.999MHz	6	8	8	8
60MHz to 99.999MHz	4	5	5	5
100MHz to 106.25MHz	2	2.5	2.5	2.5
106.251MHz to 167MHz	-	2.5	2.5	2.5