

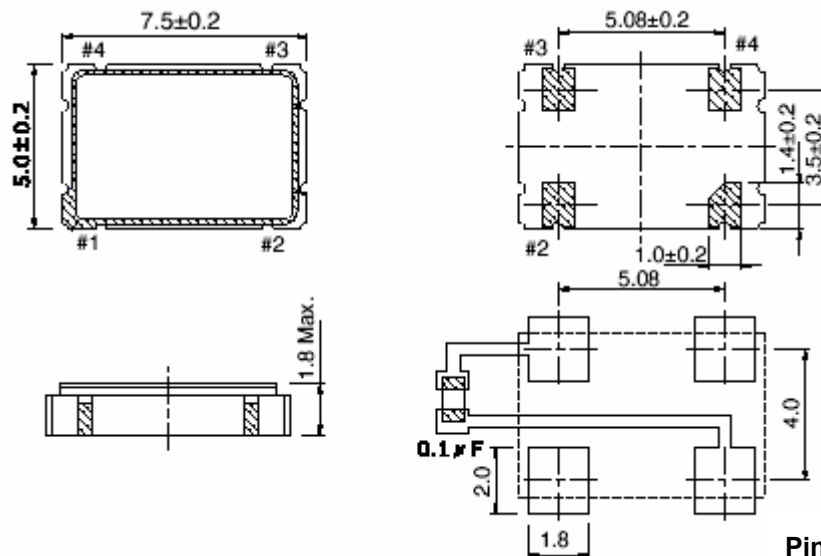
### Features

- 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

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### 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°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

**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