

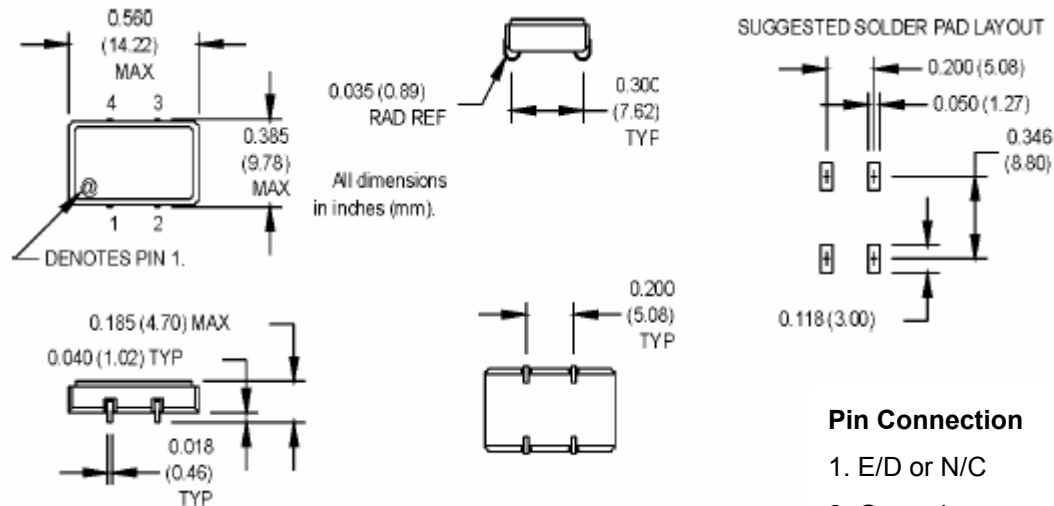
Features

- HCMOS/TTL, Extended Temperature available
- Ceramic 4 J-Lead Package, Seam sealed, 14x9.8x4.7mm
- 3.3V / 5.0V Operation
- RoHS Compliant

Specification

Parameter	Characteristic
Frequency Range	1.000MHz ~ 167.0000MHz
Frequency Stability	+/- 100 ppm 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 +/- 5% std. (See Table 3)
Input Current	65mA 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	+/- 3 ppm max / year
Operating Temperature Range	0 ~ 70°C std. (-40 ~ 85°C Available)
Mechanical Shock	Per MIL-STD-202, Method 213, Cond. E
Thermal Shock	Per MIL-STD-883, Method 1011, Cond. A
Vibration	Per MIL-STD-883, Method 2007, Cond. A
Soldering Conditions	260°C for 10sec. max.: 230°C for 90sec max.
Hermetic Seal	Leak rate less than 5x10-8 atm.cc/s of Helium

Drawing



Pin Connection

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

Ordering Guide

Typical P/N : C4JXH - 125M - 3 - 50 B S1 T -TR
1 2 3 4 5 6 7 8

1. Package C4JXH = 14x9.8x4.7mm, 4pads
(Ceramic 4J-Lead SMD Oscillator, HCMOS/TTL)

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

3. Input Voltage : 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

- . 3.3V

1MHz ≤ F ≤ 27MHz : 15mA max

27MHz < F ≤ 50MHz : 25mA max

50MHz < F ≤ 80MHz : 40mA max

80MHz < F ≤ 155.52MHz : 60mA max

- . 5.0V

1MHz ≤ F ≤ 40MHz : 30mA max

40MHz < F ≤ 50MHz : 40mA max

50MHz < F ≤ 80MHz : 55mA max

80MHz < F ≤ 106.250MHz : 65mA max

B. Rise / Fall Time

1MHz ≤ F ≤ 40MHz : 10nS max

40MHz < F ≤ 50MHz : 8nS max

50MHz < F ≤ 80MHz : 6nS max

80MHz < F ≤ 155.52MHz : 4nS max