

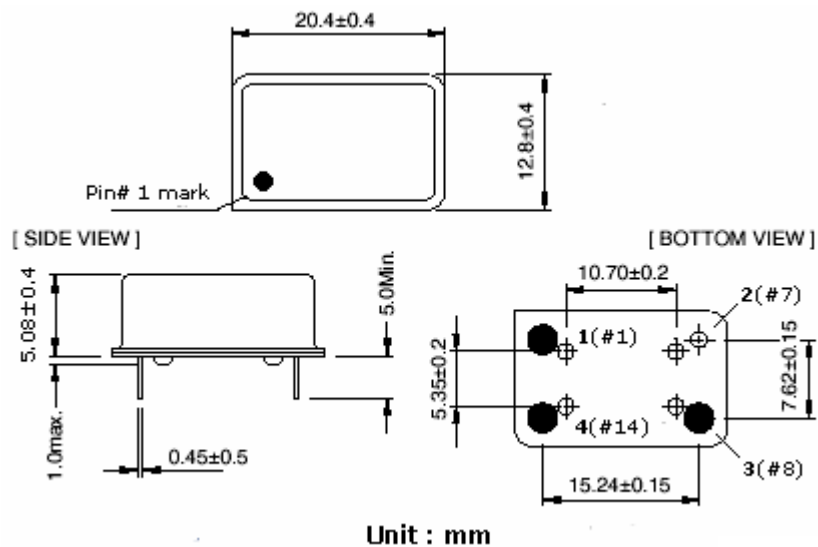
Features

- HCMOS/TTL, Low cost
- Metal 14pin DIP Package, Welding, 20.4x12.8x5.08mm
- 3.3V / 5.0V Operation
- RoHS Compliant

Specification

Parameter	Characteristic
Frequency Range	1.000MHz ~ 200.000MHz
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	5.0Vdc +/- 10% (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 (#1). E/D or N.C
- 2 (#7). Ground
- 3 (#8). Output
- 4 (#14). Vcc

Ordering Guide

Typical P/N : MDXH - F - 1.544M - 5 - 50 B S1 T -TU

1
2
3
4
5
6
7
8

<p>1. Package MDXH-F = 20.4x12.8x5.08mm (Metal 14pin DIP Oscillator, FULL size, HCMOS/TTL)</p> <p>2. Frequency range : 1 to 200.000MHz</p> <p>3. Input Voltage : 3 = 3.3V / 5 = 5.0V</p> <p>4. Frequency Stability 00 : +/- 100ppm 50 : +/- 50ppm 25 : +/- 25ppm</p> <p>5. Operating Temperature Range A : 0~70°C B : -20~70°C C : -40~85°C D : -10~70°C * : The others</p> <p>6. Symmetry (Duty Cycle) S1 : 45/55% at 1/2Vdc S2 : 40/60% at 1/2Vdc</p> <p>7. Pin#1 Connection T : Tri-state Blank : No connection</p>	<p>8. Packing BU : Bulk TU : Tube</p> <p>A. Input Current -. 3.3V 1MHz ≤ F ≤ 20MHz : 17mA max 20MHz < F ≤ 40MHz : 25mA max 40MHz < F ≤ 80MHz : 35mA max 80MHz < F ≤ 125MHz : 45mA max 125MHz < F ≤ 200MHz : 65mA max</p> <p>-. 5.0V 1MHz ≤ F ≤ 20MHz : 26mA max 20MHz < F ≤ 40MHz : 40mA max 40MHz < F ≤ 80MHz : 60mA max 80MHz < F ≤ 125MHz : 70mA max 125MHz < F ≤ 200MHz : 80mA max</p> <p>B. Rise / Fall Time 1MHz ≤ F ≤ 20MHz : 10nS max 20MHz < F ≤ 40MHz : 6nS max 40MHz < F ≤ 80MHz : 6nS max 80MHz < F ≤ 125MHz : 4nS max 125MHz < F ≤ 200MHz : 2nS max</p>
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