

#### **SPECIFICATION** CRYSTAL OSCILLATOR

#### **FEATURE:**

This crystal oscillator employs hybrid IC, crystal technology and designed to be used in CMOS logic family. This model has excellent duty cycle, great fan out capability, low power consumption, which is useful for a variety of application.

# PART NO.:

# **MO-12B**

#### ELECTRICAL CHARACTERISTICS

1. Nominal Frequency 4.000 MHz

2. Holder Type Full Size / 14 Pins

3. Frequency Stability ± 50 ppm

4. Input Current 40 mA

5. Input Voltage  $5V_{DC} \pm 0.5V$ 0.5V (10% VDD)

6. "0" Level (Low Voltage)

7. "1" Level (High Voltage) 4.5V min. (90% VDD)

8. Rise and Fall Time 10ns max.  $0^{\circ}\text{C} \sim +70^{\circ}\text{C}$ 9. Operating Temperature

10. Storage Temperature  $-50^{\circ}$ C ~  $+125^{\circ}$ C

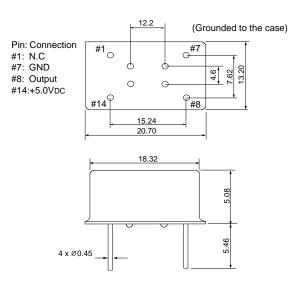
11. Output Symmetry  $40 \sim 60\%$  at 1/2 VDD

12. Output Load  $15pF/1 \sim 10 LSTTL$ 

# OTHER CHARACTERISTICS

<b>Mechanical Dimensions (Unit = mm)</b>
Tricendineal Difficultions (Clife - IIIII)

Stock	1000g
Humidity	50°C 95% RH 1000 hours
Weight	5 grams
Vibration	Amplitude 1mm Cycle 1 min., 3 directions, 2 hours each





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