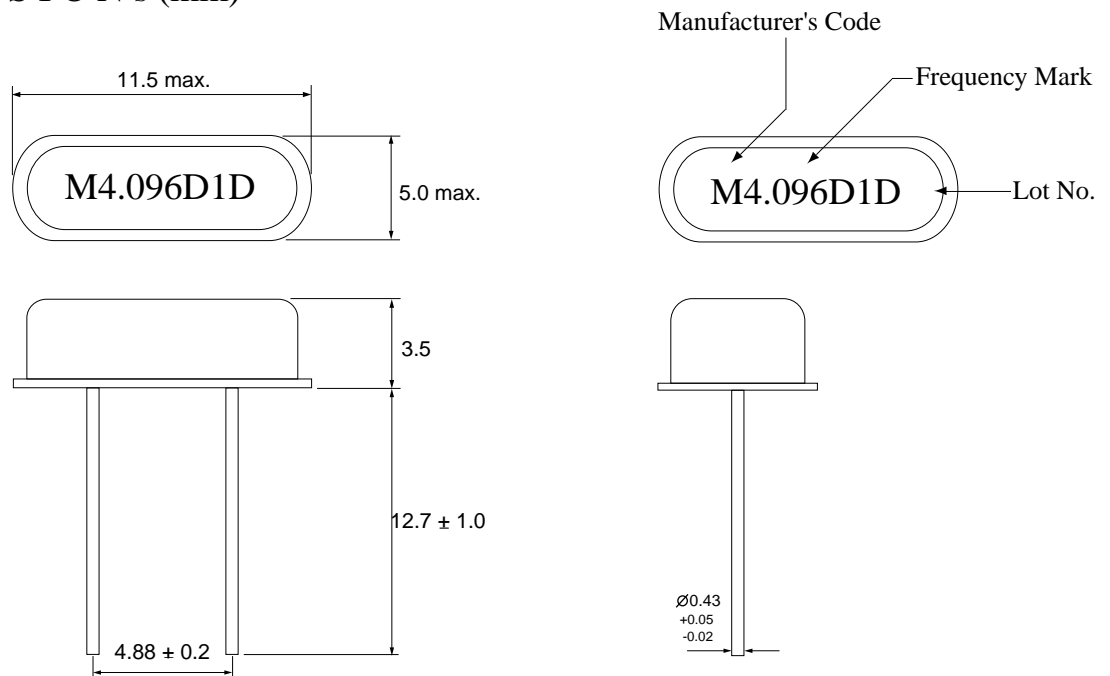


MEC

SPECIFICATION OF CRYSTAL UNIT

| | |
|---------------------------------|------------------------------|
| 1. Nominal Frequency | 4.096 MHz |
| 2. Holder Type | HC-49S |
| 3. Frequency Tolerance | ± 30 ppm @ 25°C |
| 4. Equivalent Series Resistance | 120 Ohm max. |
| 5. Temperature Tolerance | ± 30 ppm @ -10 °C +60 °C |
| 6. Aging | ± 5 ppm/ year |
| 7. Loading Capacitance | 20pF |
| 8. Drive Level | 100 μ W |
| 9. Mode of Oscillation | Fundamental |

DIMENSIONS (mm)



Prepared by: Leo Wong
Checked By: _____
DOC. No: HC49S-4_096M20pF30ppmF

MIEC

SPECIFICATION OF CRYSTAL UNIT

| No. | Item | Condition of Test |
|-----|----------------|---|
| 1 | Shock Test | Dropping from 75cm height, 3 times on firm wood Variation: Frequency drift $< \pm 20\text{ppm}$ Resistance drift $< + 10 \text{ Ohm}$ |
| 2 | Vibration Test | 30 minutes in each direction 10 to 55 Hz, amplitude 0.7 ~ 0.9mm Variation: Frequency drift $< \pm 20\text{ppm}$ |
| 3 | Solderability | The dipping surface of the lead shall be at least 95% Covered with a Continuous new solder coating. Condition of test: Temperature of solder bath: $230^{\circ}\text{C} \pm 5^{\circ}\text{C}$ Dipping time: 5 sec. |
| 4 | Leakage | No bubbles coming up from interior of the holder. Insulation resistance: More than 500M Ohm Condition of test: Temperature of hot water: $90^{\circ}\text{C} \sim 95^{\circ}\text{C}$ Test time: 3 min. |

REVIEW OF SPECIFICATIONS

When something get doubtful with this specifications, we shall jointly work to get an agreement.



Prepared by: Leo Wong
Checked By: _____
DOC. No: HC49S