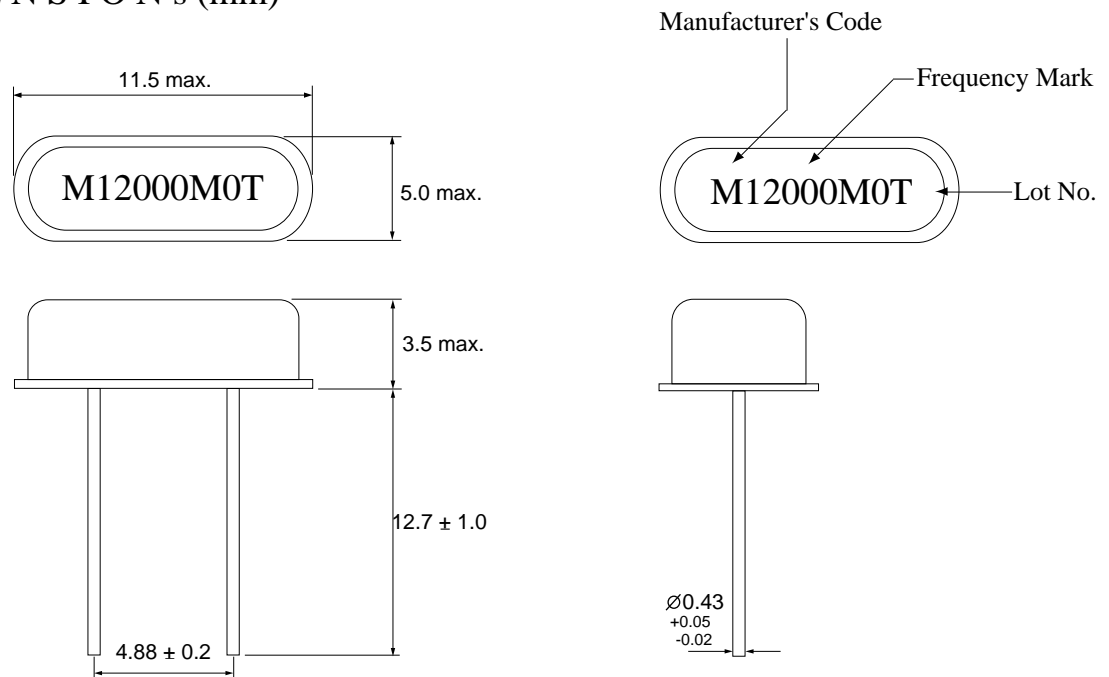


MIEC

SPECIFICATION OF CRYSTAL UNIT

1. Nominal Frequency	12 MHz
2. Holder Type	HC49S
3. Frequency Tolerance	± 50 ppm at 25 °C
4. Equivalent Resistance	50 Ohm max. / CL = Series
5. Insulation Resistance	500M Ohm (min) at 100V DC
6. Operating Temperature Range	-10 °C to +60 °C
7. Test Set	Saunders 150D
8. Temperature Tolerance	± 50 ppm@ -10 °C to +60 °C
9. Loading Capacitance	20pF
10. Drive Level	100 μ W
11. Shunt Capacitance	7pF max.
12. Mode of Oscillation	Fundamental

D I M E N S I O N s (mm)



Prepared by: Leo Wong
Checked By: _____
DOC. No: HC49S-12M20pF50ppmF

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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.



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DOC. No: HC49S