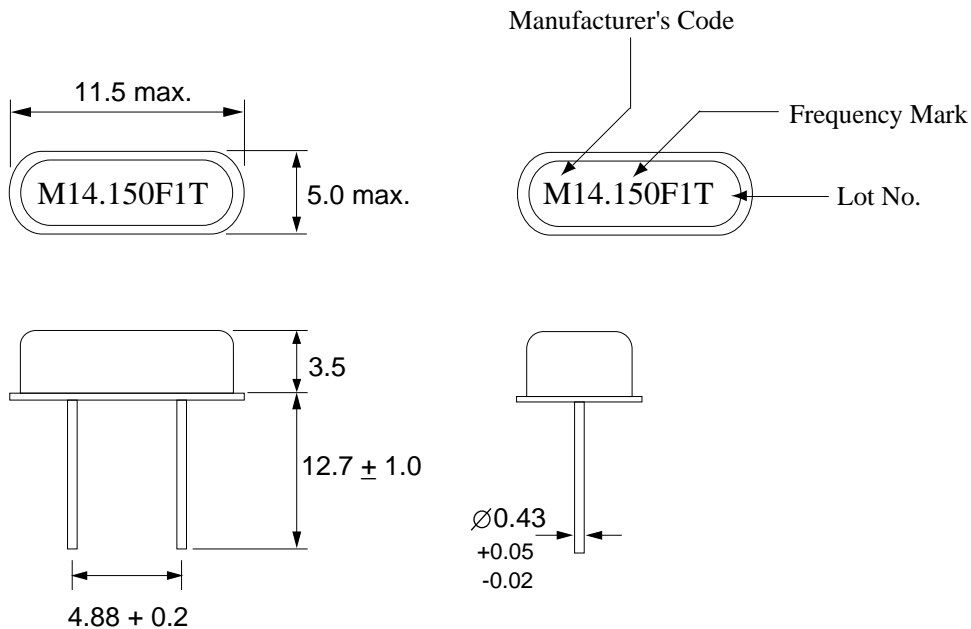


MIEC

SPECIFICATION OF CRYSTAL UNIT

1. Nominal Frequency	14.15099MHz
2. Holder Type	HC49S
3. Frequency Tolerance	± 30 ppm at 25°C
4. Equivalent Resistance	40 Ohm max.
5. Insulation Resistance	500M Ohm @100V _{DC}
6. Operating Temperature Range	-10 ~ +60°C
7. Storage Temperature Range	-20 ~ +80°C
8. Temperature Tolerance	± 30 ppm at -20 ~ +80°C
9. Loading Capacitance	16pF
10. Drive Level	100uW
11. Aging	± 2 ppm/ year
12. Oscillation Mode	Fundamental

DIMENSIONS (mm)



Prepared by: Leo Wong

Checked By: _____

DOC. No: HC49S-14_15099M16pF30ppmF

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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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Checked By: _____
DOC. No: HC49S