



Specification for Crystal

HC-49U / HC-49T / HC-49U-SMD

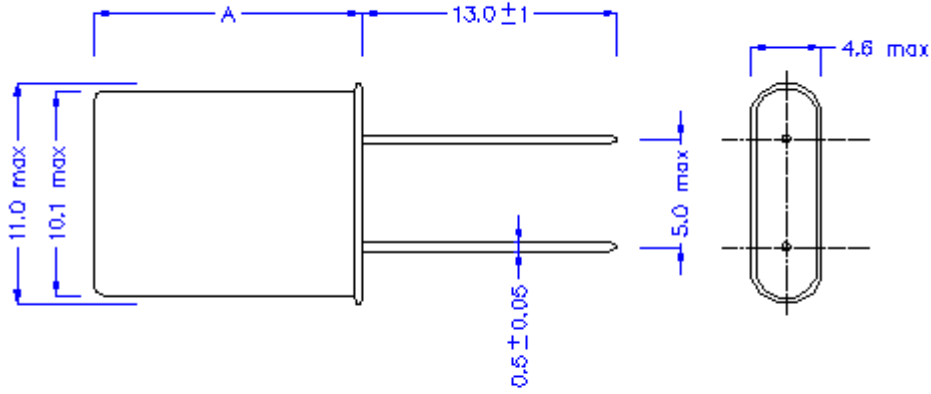
SPEC#: 12MFFERCA-49U

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|-------------------------------------|-----|--|
| 1. Frequency | -- | 12.000 MHz |
| 2. Holder Type | -- | HC-49U |
| 3. Mode of Oscillation | -- | Fundamental |
| 4. Frequency Tolerance | -- | +/- 30ppm (25°C) |
| 5. Load Capacitance, CL | -- | 30 pF |
| 6. Temperature Stability | -- | +/-50ppm |
| 7. Operating Temperature | --- | -20°C To +70°C |
| 8. Storage Temperature | -- | -40°C To +85°C |
| 9. Equivalent Resistance, Rs | -- | 40 Ω max |
| 10. Shunt Capacitance, Co | -- | 7 pF max |
| 11. Drive Level | -- | 100μW max |
| 12. Marking | -- | TIC + Frequency |
| 13. Insulation | -- | 500m Ω min at DC100V +/-15V |
| 14. Leakage Test | -- | No continuous air bubbles formed in the warm water (80°C) in 5 minutes |
| 15. Shock Test | -- | Frequency shift +/-5ppm & Rs +/-15% after test dropping from 75cm height onto wood for 3 times |
| 16. Aging | -- | +/-5ppm / year |
| 17. Measurement | -- | SAUNDERS 150D C.I. METER |
| 18. Marking | -- | TIC
12.000MK |
| 19. Others | -- | |



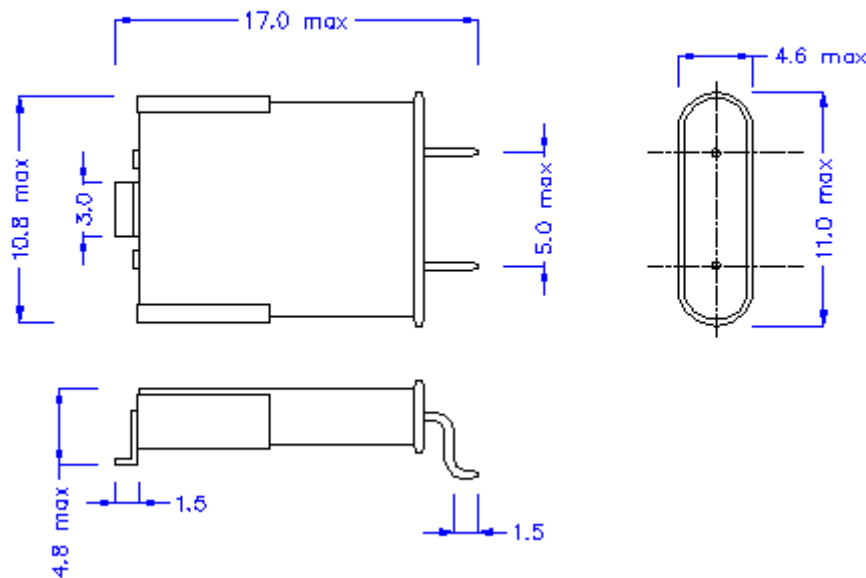
20. Dimensions (mm):

HC-49U / HC-49T



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HC-49U	13.05 max
HC-49T	11.50 max

HC-49U/SMD



Confirmed & Approved by

Technical Crystal Ltd