

QUARTZ CRYSTAL UNIT SPECIFICATION

Customer:

Customer P/N:

Date : 2014/10/09



- | | |
|--------------------------------|--|
| 1. Frequency : | 4.000000 MHz |
| 2. Holder Type : | SMD-49 |
| 3. Frequency Tolerance : | +/- 20 ppm At 25 °C +/- 3 °C |
| 4. Equivalent Resistance: | 100 ohms Max./Series |
| 5. Storage temperature range: | -40 °C To +85 °C |
| 6. Operation Temperature Range | -40 °C To +85 °C |
| 7. Temperature Drift : | +/-50 ppm -40 °C To +85 °C |
| 8. Loading Capacitance (CL) : | 20.0 pF |
| 9. Drive Level : | 50 uW (300 uW Max) |
| 10. Shunt Capacitance : | 7.0 pF Max. |
| 11. Insulation Resistance : | More Than 500M Ohms at DC 100V |
| 12. Mode Of Oscillation : | Fundamental |
| 13. Circuit : | Measured in S&A 250B,HP/E5100A |
| 14. Shocking : | Dropping from 50cm height 3 times on firm wood |
| Variation : | Frequency less than +/- 5×10^{-6}
Resistance less than +/- 15 % or 2 ohms max. |
| 15. Aging : | Less than +/-5 ppm / Year |
| 16. Sealing Test : | No air bubble are appeared with in 1 atm alcohol for
Three minutes. |
| 17. Note: | |

18. Marking :

Under our method

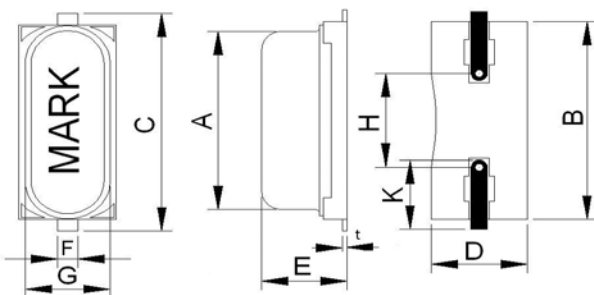
MARK : H FREQ XY

X: Alphabet For Month e.g. A: JAN. B: FEB.

Y : Digit For Year e.g. 4 : 2004 5 : 2005

DIMENSION(mm) :

- | | |
|-----------------------|------------------|
| A: 10.15mm Max | B: 11.00+/-0.2mm |
| C: 12.10mm-0.1/+0.3mm | D: 4.8mm. Max |
| H: 4.9mm+/-0.2mm | F: 0.8mm+/-0.1mm |
| G: 3.75mm Max | K: 3.8mm Max |
| t :0.25+/-0.02mm | E: 4.5 Max |



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