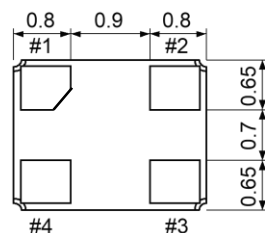
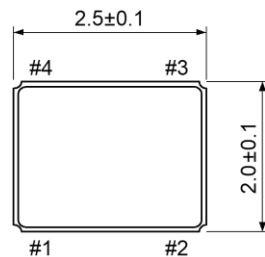
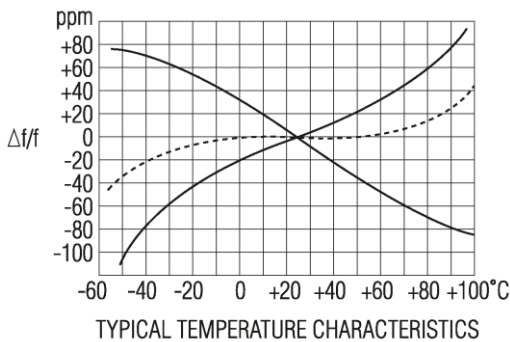
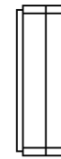


- | | |
|--|--|
| 1. Part No. : | 22Mfff*-8(LP)
(*Where "fff" is a frequency designator. |
| 2. Nominal frequency (F) : | 24.0000 MHz to 90.000 MHz |
| 3. Package type : | 22SMX(LP) |
| 4. Frequency tolerance (df/F) : | ± 30 ppm ($\pm 0.003\%$) at $+25^{\circ}\text{C} \pm 3^{\circ}\text{C}$ |
| 5. Temperature stability (df/F) : | ± 50 ppm ($\pm 0.005\%$) over -20°C to $+70^{\circ}\text{C}$ |
| 6. Load capacitance (CL) : | 8 pF ± 0.2 pF |
| 7. Equivalent series resistance (Rs) : | 80 Ω max. (24.000 MHz to 30.000 MHz)
60 Ω max. (30.000 MHz to 90.000 MHz) |
| 8. Shunt capacitance (Co) : | 5.0 pF max. |
| 9. Drive level (P) : | 100 μW max. (10 μW for testing) |
| 10. Aging (df/F) : | max. ± 5 ppm/year at $+25^{\circ}\text{C} \pm 3^{\circ}\text{C}$ |
| 11. Oscillation mode : | At-cut fundamental |
| 12. Insulation resistance : | 500M ohms min. at 100V DC |
| 13. Operating temperature range : | -20°C to $+70^{\circ}\text{C}$ |
| 14. Storage temperature range : | -40°C to $+85^{\circ}\text{C}$ |
| 15. Reflow soldering condition : | 10 sec. max. at $+250^{\circ}\text{C} \pm 10^{\circ}\text{C}$ |
| 16. Crystal test equipment : | 250B (Saunders, U.S.A.) |
| 17. Outline dimensions : | See below |

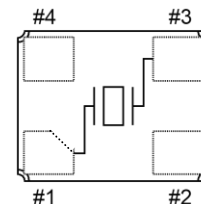


22SMX(LP)

RoHS Compliant (Pb-free)

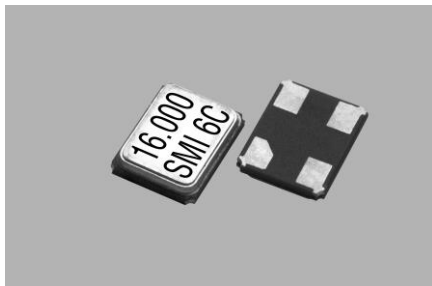


<Top View>



(#2 & #4 : Grounded to metal lid)

mm



SMI

ITEM

QUARTZ CRYSTAL UNITS 22SMX(LP)
(Low Profile 0.35mm High)

No.

SX-6387B