

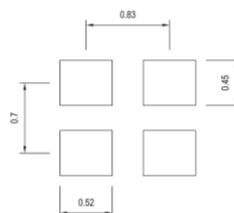
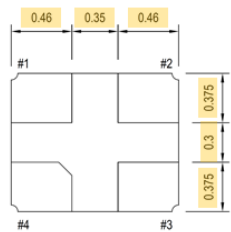
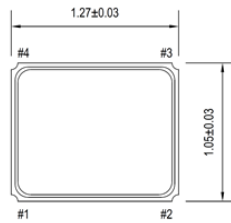
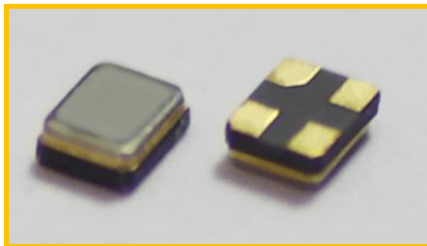
TITLE

CRYSTAL SPECIFICATIONS

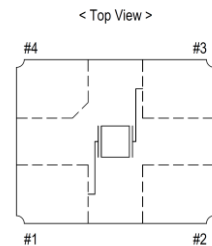
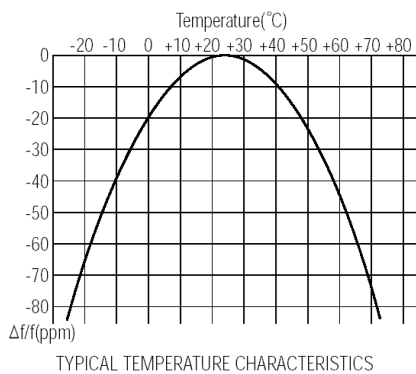
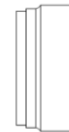
DATE

July 3, 2019

- | | |
|--|---|
| 1. Part No. : | 121M327B(4P), 121M327-6B(4P), 121M327-7B(4P), 121M327-9B(4P) |
| 2. Nominal frequency (F) : | 32.768 kHz |
| 3. Package type : | 121SMX(4P) |
| 4. Frequency tolerance (df/F) : | ±20 ppm (±0.002%) at +25°C ±3°C |
| 5. Load capacitance (CL) : | 12.5pF ±0.5pF ... 121M327B(4P)
6.0 pF ±0.5 pF ... 121M327-6B(4P)
7.0 pF ±0.5 pF ... 121M327-7B(4P)
9.0 pF ±0.5 pF ... 121M327-9B(4P) |
| 6. Series resistance (Rs) : | 90 k ohms max. |
| 7. Drive level (P) : | 0.1μW, Typical (0.3 μW max.) |
| 8. Quality factor (Q) : | 10000, Typical |
| 9. Turnover temperature (TT) : | +25°C ±5°C |
| 10. Parabolic curvature constant (K) : | -0.036 ppm/°C ² (±10%) |
| 11. Shunt capacitance (C0) : | 1.4 pF, Typical |
| 12. Aging (df/F) : | First year : ±5ppm max. at 25°C ±3°C |
| 13. Operating temperature range (TO) : | -40°C to +85°C |
| 14. Storage temperature range (TS) : | -55°C to +125°C |
| 15. Insulation resistance: | 500M ohms at 100V DC |
| 16. Reflow soldering condition : | 10 seconds at +260°C ±10°C (2 times max) |
| 17. Shock (df/F) : | ±5 ppm max. |
| 18. Vibration (df/F) : | ±5 ppm max. |
| 19. Crystal test equipment : | 140B (Saunders, U. S. A) |
| 20. Outline dimentions : | See below |



121SMX(4P)
Directive 2002/95/EC
Pb-free



< #2 & #4 Grounded to metal lid >

mm

SMI

ITEM.

QUARTZ CRYSTAL UNITS

No.

SX-6474A