

SPECIFICATION OF QUARTZ CRYSTAL UNITS

1.HOLDER TYPE: **SMD SEAM SEALING X'TAL 3.2*2.5**
8.000000 MHz

2. ELECTRICAL SPECIFICATIONS

Standard atmospheric conditions

Unless otherwise specified, the standard range of atmospheric conditions for making measurement

Ambient temperature : 25±3℃
Relative humidity : 40% ~ 70%

If there is any doubt about the results ,measurement shall be made within the following limits .

Ambient temperature : 25±3℃
Relative humidity : 40% ~ 70%

Electrical characteristics measured by S&A250B or equivalent .

The crystal is using AT CUT (thickness shear mode).

3.ELECTRICAL CHARACTERISTICS

| | Parameters | SYM | Electrical Spec | | | | Notes |
|----|---------------------------|-----|-----------------|-----|------|-------|-------------|
| | | | MIN | TYP | MAX | UNITS | |
| 1 | Nominal Frequency | FL | 8.000000 | | | MHz | |
| 2 | Oscillation mode | - | Fundamental | | | - | |
| 3 | Load Capacitance | CL | 18 | | | pF | |
| 4 | Frequency Tolerance | - | ±20 | | | ppm | at 25±3℃ |
| 5 | Operating Temperature | - | -40 | ~ | 85 | ℃ | |
| 6 | Temperature drift (TC) | - | ±30 | | | ppm | -40℃ ~ +85℃ |
| | Temperature drift (TC) | - | | | | | |
| | Temperature drift (TC) | - | | | | | |
| 7 | Equivalent Resistance Rr | Rr | - | - | 300 | Ω | |
| 8 | Drive Level | DL | - | 100 | - | uW | |
| 9 | Shunt Capacitance C0 | C0 | - | - | 2.00 | pF | |
| 10 | Insulation Resistance | - | 500 | - | - | MΩ | at DC 100V |
| 11 | Aging | - | ±2 | | | ppm | Year |
| 12 | Storage Temperature Range | - | -55 | ~ | 125 | ℃ | |

