SPECIFICATION NO: Q16000c010

SPECIFICATION OF QUARTZ CRYSTAL UNITS

1.HOLDER TYPE:

SMD SEAM SEALING X'TAL 2.5*2.0

16.000000 MHz

2. ELECTRICAL SPECIFICATIONS

Standard atmospheric conditions

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

Ambient temperature : 25 ± 3 °C Relative humidity : $40\% \sim 70\%$

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

Ambient temperature : 25 ± 3 °C Relative humidity : $40\% \sim 70\%$

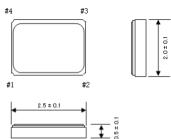
Electriacal characteristics measured by S&A250B or equivalent.

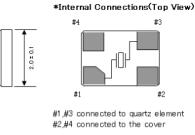
The crystal is using AT CUT (thinkness shear mode).

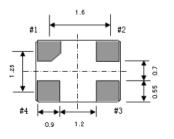
ELECTRICAL CHARACTERISTICS

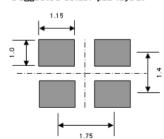
| | Parameters | SYM | Electrical Spec | | | ; | Notes |
|----|---------------------------|-----|-----------------|-----|------|--------------|------------|
| | raiameters | | MIN | TYP | MAX | UNITS | Notes |
| 1 | Nominal Frequency | FL | 16.000000 | | | MHz | |
| 2 | Oscillation mode | - | Fundamental | | | - | |
| 3 | Load Capacitance | CL | 9 | | | pF | |
| 4 | Frequency Tolerance | - | ±10 | | | ppm | at 25±3℃ |
| 5 | Operating Temperature | - | -20 | ~ | 70 | ,C | |
| 6 | Temperature drift (TC) | - | ±10 | | | ppm | -20℃~70℃ |
| | Temperature drift (TC) | - | | | | ppm | |
| | Temperature drift (TC) | - | _ | | | ppm | |
| 7 | Equivalent Resistance Rr | Rr | - | - | 40 | Ω | |
| 8 | Drive Level | DL | - | 100 | - | uW | |
| 9 | Shunt Capacitance C0 | C0 | - | - | 2.00 | pF | |
| 10 | Insulation Resistance | - | 500 | - | - | ΜΩ | at DC 100V |
| 11 | Aging | - | ±2 | | | ppm | Year |
| 12 | Storage Temperature Range | - | -55 | ~ | 125 | $^{\circ}$ C | |

DIMENSION (mm)









*Suggested solder pad layout