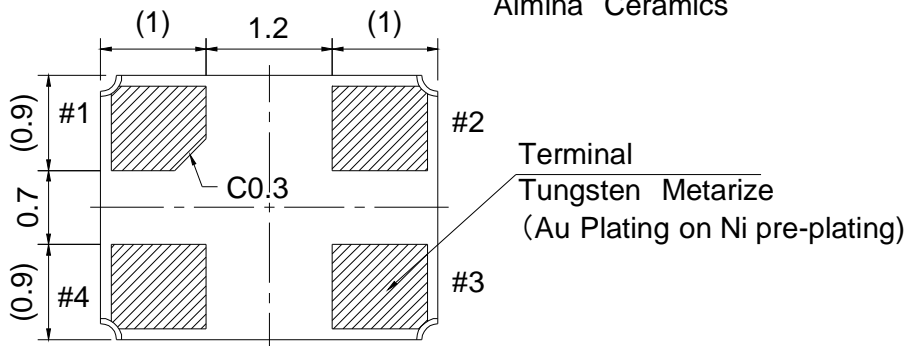
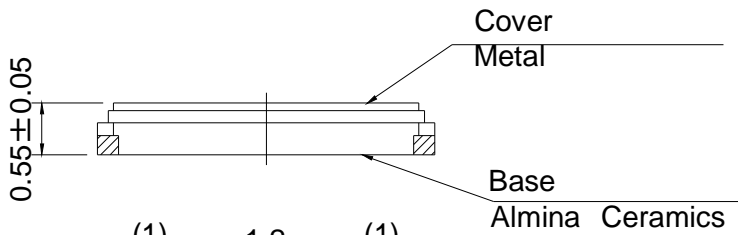
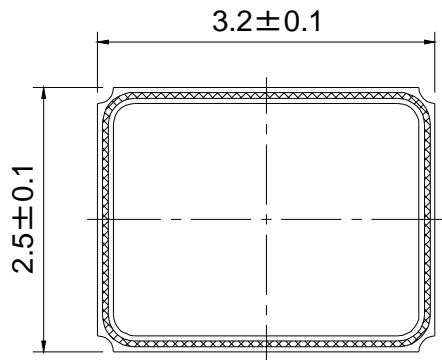
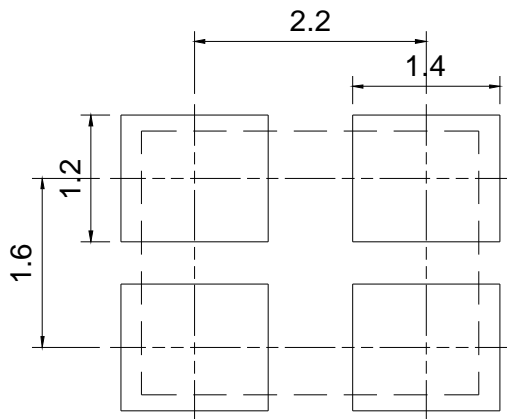


SPECIFICATION

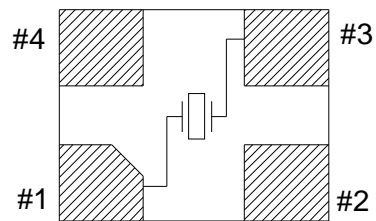
1. Type : NX3225SA
2. Electrical Characteristics
- 2.1. Nominal Frequency : 26.0 MHz
 - 2.2. Overtone mode : Fundamental
 - 2.3. Adjustment Tolerance : $\pm 10 \times 10^{-6}$ max. (at 25 °C)
 - 2.4. Tolerance Over the Temperature Range : $\pm 10 \times 10^{-6}$ max. (at - 20 to +85 °C)
The reference temp. shall be 25 °C
 - 2.5. Equivalent Series Resistance (R_R) : 40 Ω Max.
 - 2.6. Pullability : 9 to 12 ppm/pF (at CL=10pF)
Pulling sensitivity is calculated by formula below.
$$\text{Pullability [ppm/pF]} = \frac{C_1 \times 1000}{2(C_0 + C_L)^2}$$
Where, Unit of each parameter is below.
C0: pF, C1: fF, CL=10pF
 - 2.7. Insulation Resistance : Terminal to terminal insulation resistance must be 500MΩ min. when DC100V ±10% is supplied.
 - 2.8. Maximum drive level : 100 μW
3. Measurement Circuit
- 3.1. Frequency Measurement
 - Measurement Circuit : IEC π-Network
 - Load Capacitance (CL) : 10 pF
 - Level of Drive : 10 μW
 - 3.2. Resistance Measurement
 - Measurement Circuit : IEC π-Network
 - Load Capacitance (CL) : Series
 - Level of Drive : 10 μW
4. Other Characteristics
- 4.1 Hermeticity : Less than 1.1×10^{-9} Pa m³/s (Helium leak detector)
 - 4.2 Operating temperature range : - 20 to +85 °C
 - 4.3 Storage temperature range : - 40 to +85 °C
 - 4.4 Aging : $\pm 1 \times 10^{-6}$ Max. / 1 Year (at +25°C)



LAND PATTERN (TYPICAL)



PIN CONNECTION (TOP VIEW)



- ※ #1,#3 : Xtal
- ※ #2,#4 : GND (CONNECTION COVER)