



## TAS-3225A

### SMD Type Crystal Units

#### ■ Feature

The ceramic package with high reliability using Au-Sn alloy is used. This is low profile. At-cut quartz crystal excellent shock and vibration performance, wide frequency range, high mechanical shock resistance, suitable for reflow soldering. Products are supplied on tape and reel.

- Standard Model



#### ■ Specifications

|   |                           |
|---|---------------------------|
| Size  | 3.2×2.5×0.75 (mm)         |
| Overtone Order  | Fundamental               |
| Frequency Range   | 10.0 ~ 70.0 MHz (Table 1) |
| Equivalent Series Resistance                                  | 50 ~ 200 Ω                |
| Drive Level   | 50 μW                     |
| Operating Temperature Range                                   | Table 2                   |
| Frequency Temperature Characteristics (in reference to 25 °C) | Table 2                   |

■ Table 1 Standard Frequencies

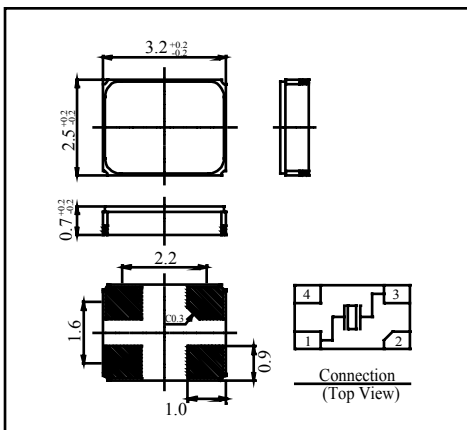
| Standard Frequency (MHz) |        |
|--------------------------|--------|
| 13.000                   | 14.400 |
| 16.000                   | 19.200 |
| 19.680                   | 19.800 |
| 24.000                   | 26.000 |
| 32.000                   | 48.000 |
| 54.000                   |        |

■ Table 2 Frequency Temperature Characteristics

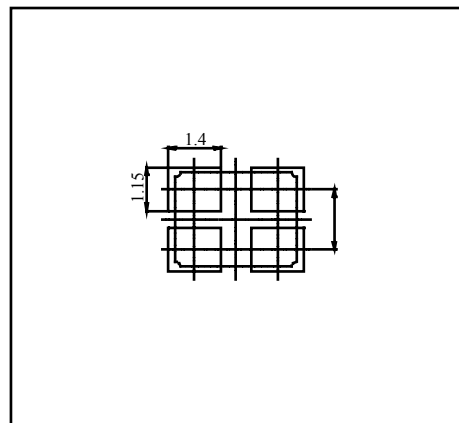
| Temperature Range | Temperature Characteristics | Frequency Tolerance |
|-------------------|-----------------------------|---------------------|
| -10 ~ 60 °C       | ±5 ppm                      |                     |
| -20 ~ 70 °C       | ±10 ppm                     | ±10 ~ ±50 ppm       |
| -30 ~ 80 °C       | ±15 ppm                     | (25 °C ± 3°C)       |

□ Products with specific requirements are available upon request.

#### ■ Outline



#### ■ Reference Land Pattern



For further information please contact:

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