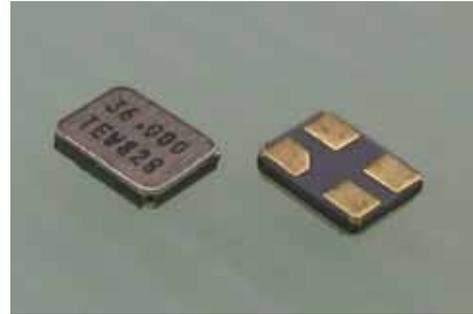


TAS-1612D

Ultra Miniature Surface Mount Type Crystal Units

■Feature

Ultra small size area with the lowest height (1.6×1.2, 0.32t+0.03t/-0.02t). Hermetic sealing by Au-Sn method. Suitable for NFC, Bluetooth, WLAN and Mobile Digital TV Tuner where small size is of the utmost importance. Product is lead free in construction. Can be mounted to PCB using a lead free solder reflow process.



■Standard Specifications

Size (mm)	1.6×1.2, 0.32t+0.03t/-0.02t
Overtone Order	Fundamental
Frequency Range (MHz)	26 ~ 60 (See Table 1)
Equivalent Series Resistance (Ω)	60 ~ 200 max.
Drive Level (μW)	10, 30
Operating Temperature Range	See Table 2
Frequency Temperature Characteristics (in reference to 25 °C)	See Table 2

■Table 1 Typical Frequencies

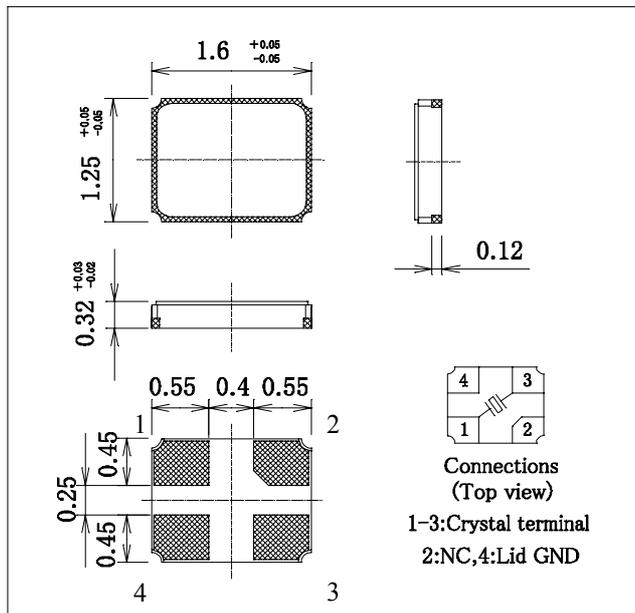
Frequency (MHz)	
26.000	32.000
35.400	36.000
38.400	40.000
44.000	48.000

■Table 2 Frequency Temperature Characteristics

Temperature Range	Temperature Characteristics (×10 ⁻⁶)	Frequency Tolerance (×10 ⁻⁶)
-10 ~ +60 °C	±5	±10 ~ ±50 (25 °C ± 3°C)
-20 ~ +70 °C	±10	
-30 ~ +85 °C	±15	

Products with specific requirements are available request.

■Outline Dimensions



■Reference Land Pattern

