

Package : TAS-1612D

Ultra Miniature Surface Mount Crystal

■ Feature

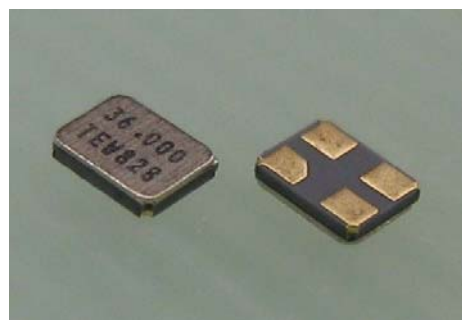
- Ultra small footprint , with low profile
(1.6×1.2, 0.32t+0.03t/-0.02t).
- Hermetically sealed - [Gold-Tin(Au-Sn) methodology]
- High Reflow Temperature Tolerant. RoHS compliant - Lead Free

■ Applications

NFC, Bluetooth, WLAN

■ Standard Specifications

Characteristic	Value
Size (mm)	1.6×1.2, 0.32t+0.03t/-0.02t
Overtone Order	Fundamental
Frequency Range (MHz)	26 to 60 (See Table 1)
Equivalent Series Resistance (Ω)	50max. to 150max.
Drive Level (μWatts)	10, 30
Operating Temperature Range	See Table 2
Frequency Temperature Characteristics (in reference to 25 °C)	See Table 2



■ Table 1 Typical Frequencies

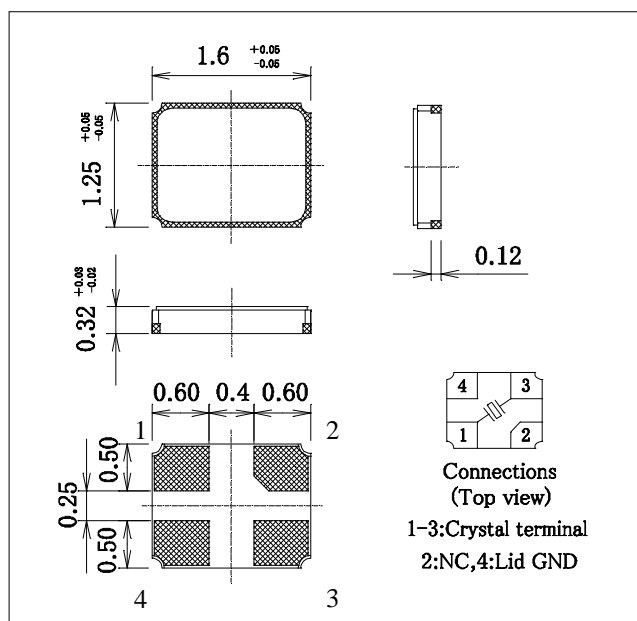
Frequency (MHz) - ESR	
26.000[ESR=150 Ω max]	32.000[ESR=80 Ω max]
35.400[ESR=80 Ω max]	36.000[ESR=80 Ω max]
38.400[ESR=60 Ω max]	40.000[ESR=60 Ω max]
44.000[ESR=60 Ω max]	48.000[ESR=50 Ω max]

■ Table 2 Frequency vs. Temperature Characteristics

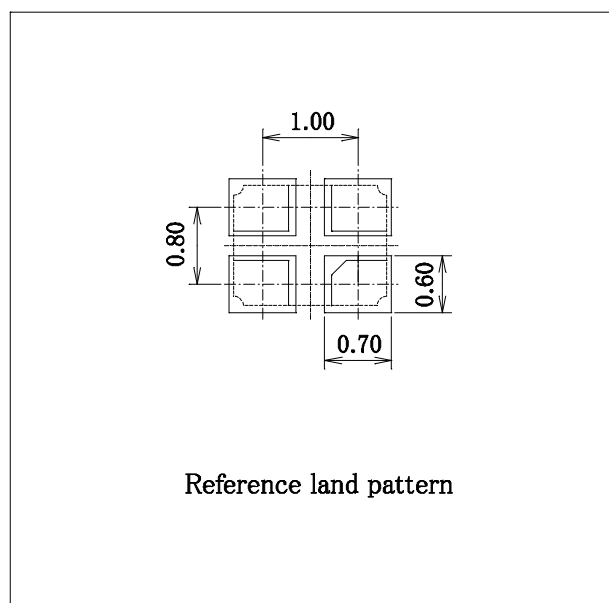
Temperature Range	Stability (ppm)	Frequency Tolerance (ppm@25°C)
-10 to +60 °C	±5 max.	±20 max. (25 °C ± 3°C)
-20 to +70 °C	±10 max.	
-30 to +85 °C	±15 max.	

Note :
Modified specifications
are available upon
request for specific applications.

■ Outline Dimensions



■ Reference Land Patterns



The ordering number will be obtained separately by customer's requirement.