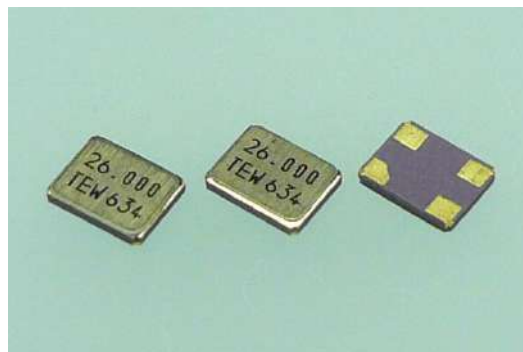


TAS-2520B

Ultra Miniature Surface Mount Type Crystal Units

■Feature

Minimal size area with the lowest height (2.5×2.0 , 0.45 ± 0.05). Hermetic sealing by Au-Sn method. Part is preconditioned to temperatures well beyond lead free reflow for unsurpassed reliability. High precision and high reliability. Well suited for all Cellular Phones, NFC, Bluetooth, WLAN and Zigbee where the smaller size is required. Product is lead free in construction. Can be mounted to PCB using a lead free solder reflow process.



■Standard Specifications

Size (mm)	2.5×2.0, 0.45t±0.05
Overtone Order	Fundamental
Frequency Range (MHz)	16 ~ 60 (See Table 1)
Equivalent Series Resistance (Ω)	60 ~ 80 max.
Drive Level (μW)	30
Operating Temperature Range	See Table 2
Frequency Temperature Characteristics (in reference to 25 °C)	See Table 2

■Table 1 Typical Frequencies

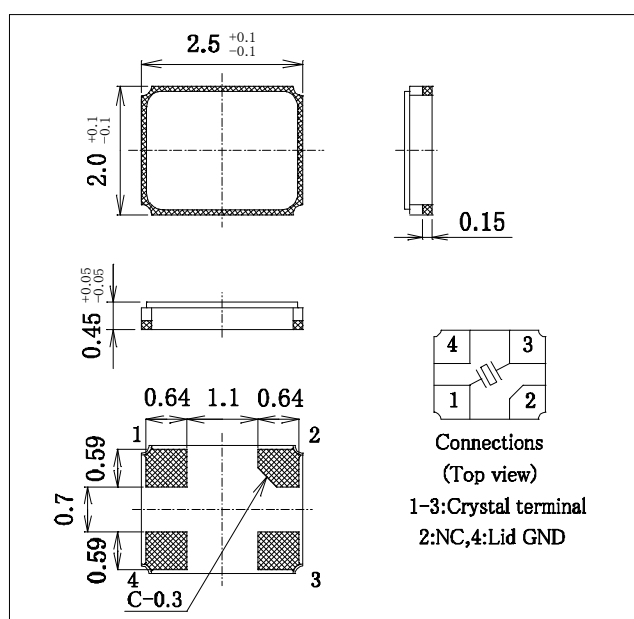
Frequency (MHz)	
16.000	18.000
19.200	20.000
24.000	26.000
27.000	32.000
36.000	38.400
40.000	44.000

■Table 2 Frequency Temperature Characteristics

Temperature Range	Temperature Characteristics($\times 10^{-6}$)	Frequency Tolerance($\times 10^{-6}$)
-10 ~ +55 °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

