

TAS-4025A

Surface Mount Type Crystal Units

■Feature

Small size area and offers reduced height (4.0×2.5, 0.65±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. Excellent performance in ESR.
 Suitable for all Cellular Phones, NFC, Bluetooth, WLAN and Zigbee where ESR values are of concern. Product is lead free in construction.
 Can be mounted to PCB using a lead free solder reflow process.

Now printing

■Standard Specifications

Size (mm)		4.0×2.5, 0.65±0.05/-0.1
Overtone Order		Fundamental / 3rd Overtone
Frequency Range (MHz)	Fundamental	12 ~ 60 (See Table 1)
	3rd Overtone	60 ~ 100
Equivalent Series Resistance (Ω)	Fundamental	150 max.
	3rd Overtone	80 max.
Drive Level (μW)		50
Operating Temperature Range		See Table 2
Frequency Temperature Characteristics (in reference to 25 °C)		See Table 2

■Table 1 Typical Frequencies

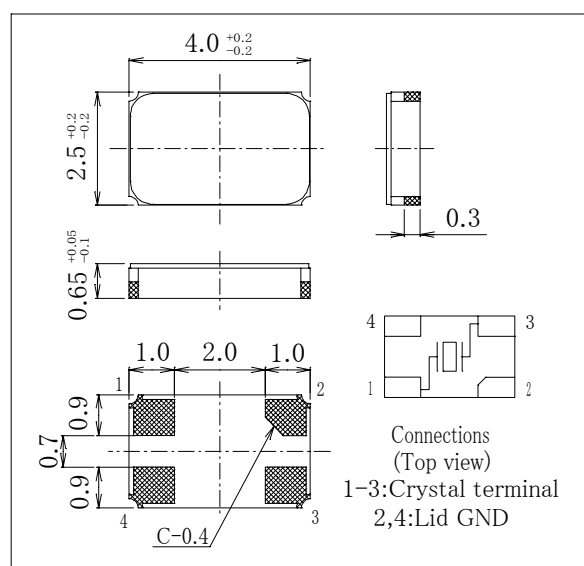
Frequency (MHz)	
12.000	12.600
13.000	14.400
16.000	19.200
19.680	19.800
24.000	26.000

■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

