

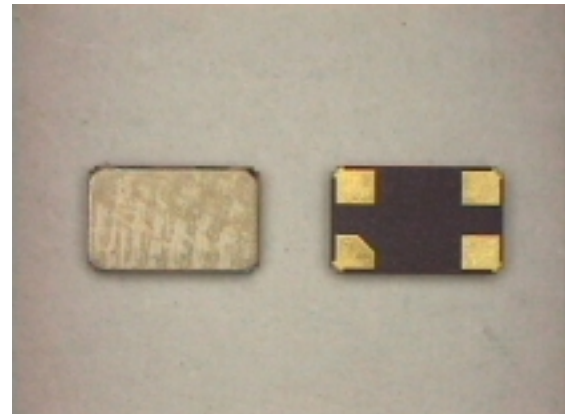
# TAS-4025A

## 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 reel.

- Low ESR



### ■ Specifications

Size		4.0×2.5×0.65 (mm)
Overtone Order		Fundamental / Overtone
Frequency Range	Fundamental	12.6 ~ 60.0 MHz (Table 1)
	Overtone	60.0 ~ 100.0 MHz
Equivalent Series Resistance	Fundamental	50 ~ 150 Ω
	Overtone	50 ~ 80 Ω
Drive Level		50 μW
Operating Temperature Range		Table 2
Frequency Temperature Characteristics (in reference to 25 °C)		Table 2

■ Table 1 Standard Frequencies (Fundamental)

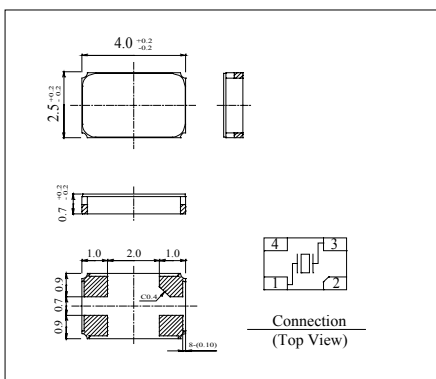
Standard Frequency (MHz)	
12.600	13.000
14.400	16.000
19.200	19.680
19.800	24.000
26.000	

- Products with specific requirements are available upon request.

■ Table 2 Frequency Temperature Characteristics

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

### ■ Outline



### ■ Reference Land Pattern

