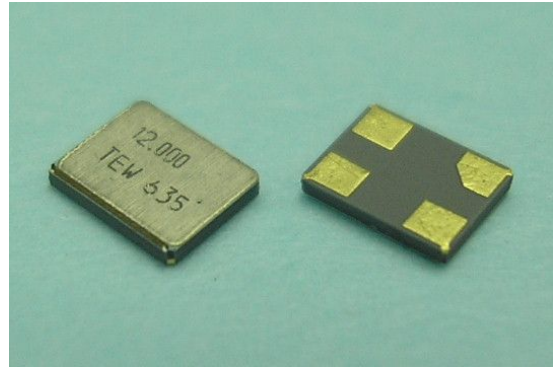


TAS-3225H

Miniature Surface Mount Type Crystal Units

■Feature

Small size area with reduced height (3.2×2.5, 0.70 max.). Hermetic sealing by Au-Sn method. Part is preconditioned to temperatures well beyond lead free reflow for unsurpassed reliability. Frequency starting from 10MHz. Extremely well suited for all Bluetooth, Digital TV Tuner, OA (office automation) and AV (audio & Visual) where small size is important. Product is lead free in construction. Can be mounted to PCB using a lead free solder reflow process.



■Standard Specifications

Size (mm)	3.2×2.5, 0.70t max.
Overtone Order	Fundamental
Frequency Range (MHz)	10~13 (See Table 1)
Equivalent Series Resistance (Ω)	100~200 max.(10~12MHz) 50~100 max.(12~13MHz)
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

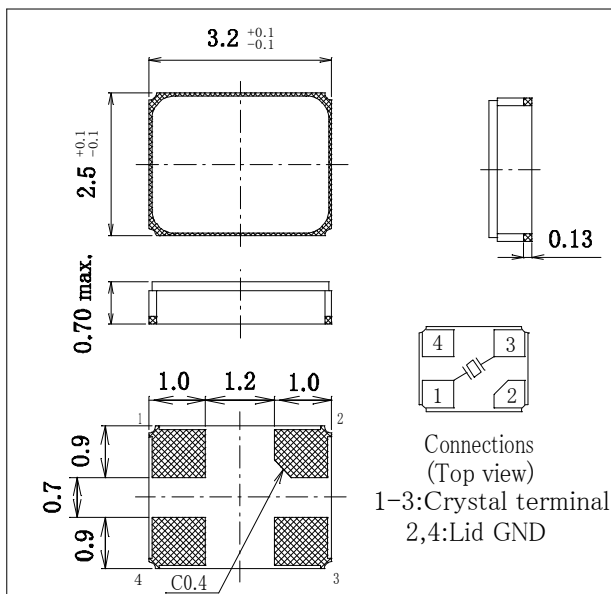
Frequency (MHz)	
12.000	12.288
12.800	13.000

■Table 2 Frequency Temperature Characteristics

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

※ Products with specific requirements are available request.

■Outline Dimensions



■Reference Land Pattern

