

TSS-5032A

Surface Mount Type Crystal Units

■Feature

Standardized 5.0×3.2mm package. Hermetic sealing by seam welding. Excellent mechanical shock and vibration resistance. Suitable for all Cellular Phones, NFC, Bluetooth, WLAN and Zigbee where small size is not critical. Product is lead free in construction. Can be mounted to PCB using a lead free solder reflow process.

Now printing

■Standard Specifications

Size (mm)		5.0×3.2, 0.90±0.1
Overtone Order		Fundamental / 3rd Overtone
Frequency Range	Fundamental	10 ~ 60 (See Table 1)
(MHz)	3rd Overtone	60 ~ 100
Equivalent Series	Fundamental	100 max.
Resistance (Ω)	3rd Overtone	80 max.
Drive Level (μW)		50
Operating Temperature Range		See Table 2
Frequency Temperature Characteristics		See Table 2
(in reference to 25 °	C)	See 1able 2

■ Table 1 Typical Frequencies (Fundamental)

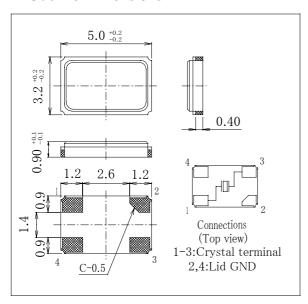
Frequency (MHz)				
10.000	11.0592	12.000	12.288	
13.000	13.560	14.400	14.7456	
16.000	16.368	16.384	18.432	
19.200	19.500	20.000	21.250	
24.000	24.5535	24.576	26.000	
27.000	32.000	39.000	40.000	
44.000	54.000			

■Table 2 Frequency Temperature Characteristics

7	Геmperature 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

