

TSS-6035B

Surface Mount Type Crystal Units

■Feature

Common standard 6.0×3.5mm package. Hermetic sealing by seam welding. Frequency starting from 8MHz. Excellent mechanical shock and vibration resistance. Well suited for automotive telematics and mobile radio telecommunication equipment. Product is lead free in construction. Can be mounted to PCB using a lead free solder reflow process.

Now printing

■Standard Specifications

Size (mm)		6.0×3.5, 0.90±0.1
Overtone Order		Fundamental / 3rd Overtone
Frequency Range (MHz)	Fundamental	8 ~ 45 (See Table 1)
	3rd Overtone	45 ~ 100
Equivalent Series Resistance (Ω)	Fundamental	200 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 (Fundamental)

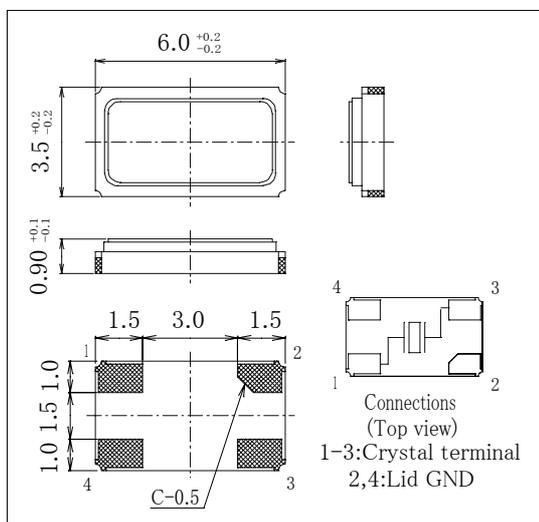
Frequency (MHz)			
8.000	9.84375	10.1781	10.245
10.368	11.0592	12.000	12.288
12.800	13.000	13.56875	14.7456
16.000	16.384	18.432	19.200
19.440	20.000	21.250	23.104
24.000	24.5535	26.000	27.000
39.000	40.000	44.000	

■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

