

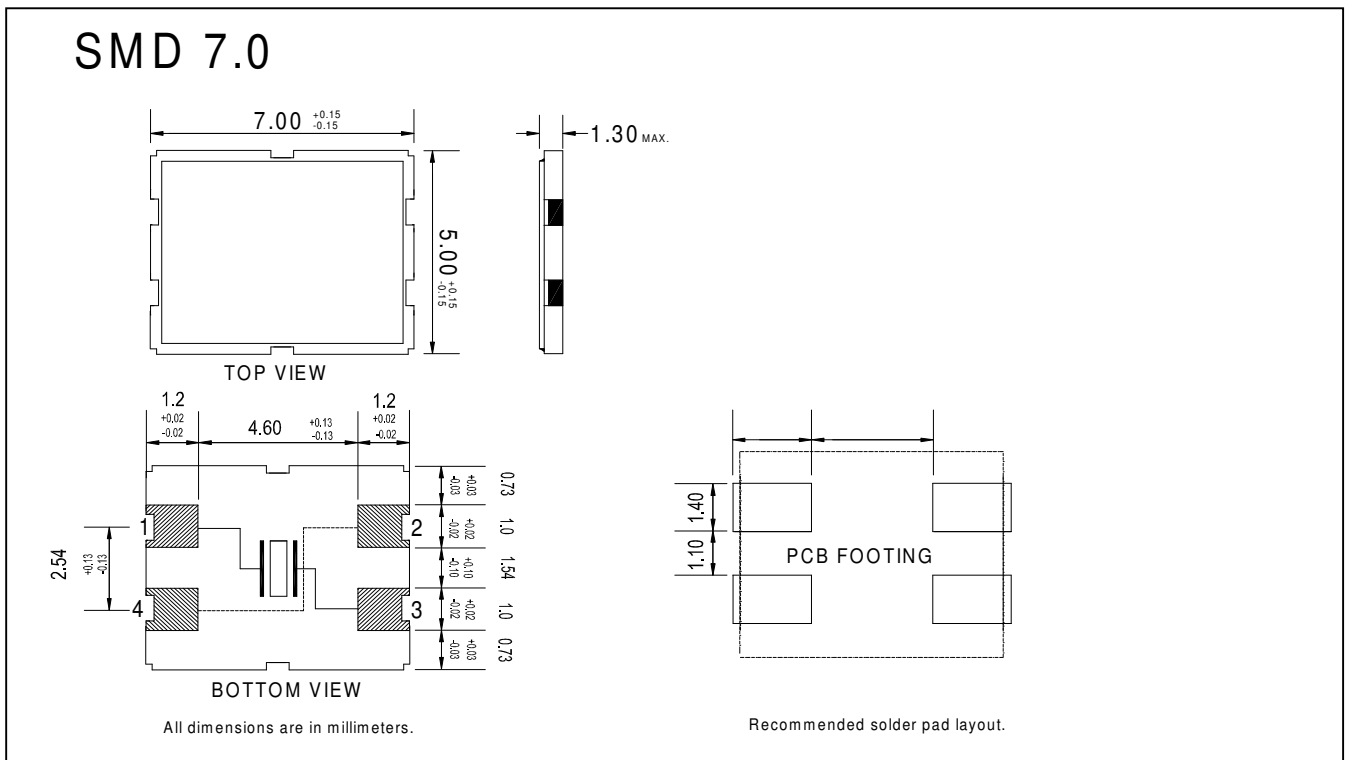
# SMD 7.0

## Features

- ultra-miniature size
- 1.3mm height
- seam sealing
- excellent anti-shock holding
- SMD type

## Applications

- DECT / WDCT
- bluetooth
- general purpose
- A/V application / MP3/ DSC



**Specifications**

Nominal Frequency	8MHz fundamental - 100MHz (3rd overtone)
Frequency Tolerance	±10ppm ~ ±50ppm
Load capacitance (CL)	10pF ~ 32pF orseries
Resonance resistance (Rr)	see table below
Frequency stability	±10PPM ~ ±50PPM
Temperature range	-20°C ~ +70°C
Shunt capacitance (CO)	7pF max
Drive level	0.1mW
Insulation resistance	500MΩ min / DC 100V
Aging	±5ppm / yr max in first yr.

**Resistance Table (ESR)**

Frequency Range(MHz):		Vibration mode
8.000+ ~ 9.000	100	fundamental
9.000+ ~ 10.000	90	fundamental
10.000+ ~ 11.000	80	fundamental
11.000+ ~ 12.000	70	fundamental
12.000+ ~ 16.000	60	fundamental
16.000+ ~ 40.000	40	fundamental
40.000+ ~ 84.000	70	third overtone
84.000+ ~ 100.000	60	third overtone

**Frequency vs Operating Temp Table**

Temp(°C)	PPM							
	±5	±7.5	±10	±15	±20	±30	±50	
0 ~ +50	*	*	*	*	*	*	*	
-10 ~ +60	*	*	*	*	*	*	*	
-20 ~ +70	*	*	*	*	*	*	*	
-30 ~ +80		*	*	*	*	*	*	
-40 ~ +85			*	*	*	*	*	