

## Product Features

1. High precision and high frequency stability
2. Extremely good for reducing EMI effect
3. Provide clean and stable reference clock to a wide variety of ICs
4. The best choice of Bluetooth , Wi-Fi and other short range wireless communication
5. RoHS and REACH Compliant , Pb-free , Halogen-free
6. Industry Standard Package :  
3.2 x 2.5 x 0.7 mm (7M Series)

### Application :

- Wireless Communication
- CPE , Router , Ethernet Switch , Gateway , Set-Top Box
- Notebook , Tablet , Server , Cloud
- Industry



Test condition

Ambient temperature :  $25 \pm 5^{\circ}\text{C}$

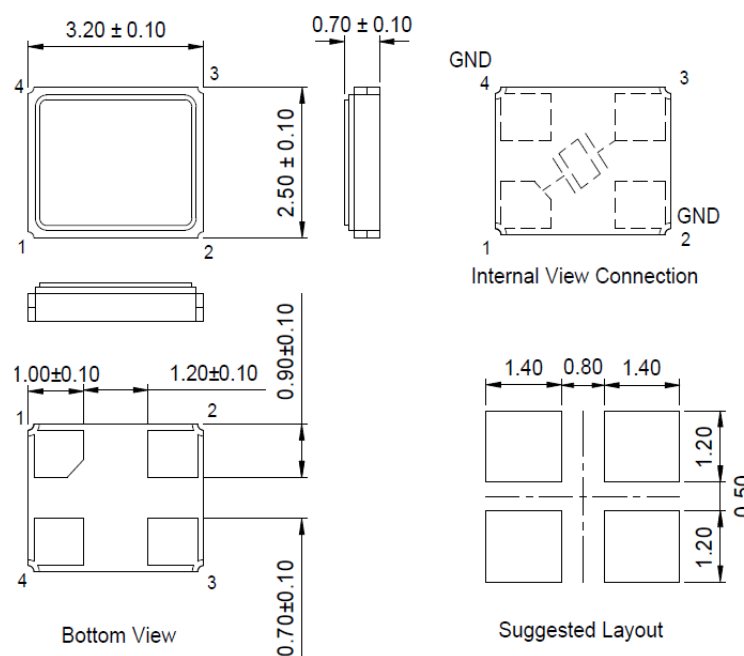
Relative humidity : 40% ~ 70%

### ● Table 1 . Electrical Specifications

Parameters	Symbol	Min.	Typ.	Max.	Units	Notes
Nominal Frequency	F	8 ~ 80			MHz	
Frequency Tolerance	FT	$\pm 10$			ppm	@ $25^{\circ}\text{C} \pm 3^{\circ}\text{C}$
Frequency Stability Over Operating Temp. Range (Reference $25^{\circ}\text{C}$ )	ST	$\pm 20$			ppm	@ $-40 \sim 85^{\circ}\text{C}$
		$\pm 30$				@ $-40 \sim 105^{\circ}\text{C}$
Operating Temperature	Topr	-40	25	105	$^{\circ}\text{C}$	
Load Capacitance	CL	6~20			pF	
Drive Level	DL	-	100	300	$\mu\text{W}$	
Equivalent Series Resistance	ESR	-	-	300	Ohm	8~12MHz
		-	-	80		12~16MHz
		-	-	50		16~40MHz
		-	-	30		>40MHz
Aging	-	$\pm 3, \pm 5$			ppm	1st Year

Note : The table shows common spec. if you have special spec. requirement , please feel free to contact our salesperson.

### ● Dimensions



(Unit : mm)