

## Product Features

1. High precision and high frequency stability
2. 2 or 4 pads SMD glass sealed crystal
3. Provide clean and stable reference clock to a wide variety of ICs
4. Excellent heat resistance and environmental characteristic
5. Contain Pb in sealing glass exempted by RoHS directive
6. Industry Standard Package :  
3.2 x 2.5 x 0.8 mm (7V Series , 4 pad)  
3.2 x 2.5 x 0.85 mm (7V Series , 2 pad)

### Application :

- Desktop computer , Notebook , Printer
- Set-Top Box , Server
- Monitor , TV
- USB-Hub
- Game Console



Test condition

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

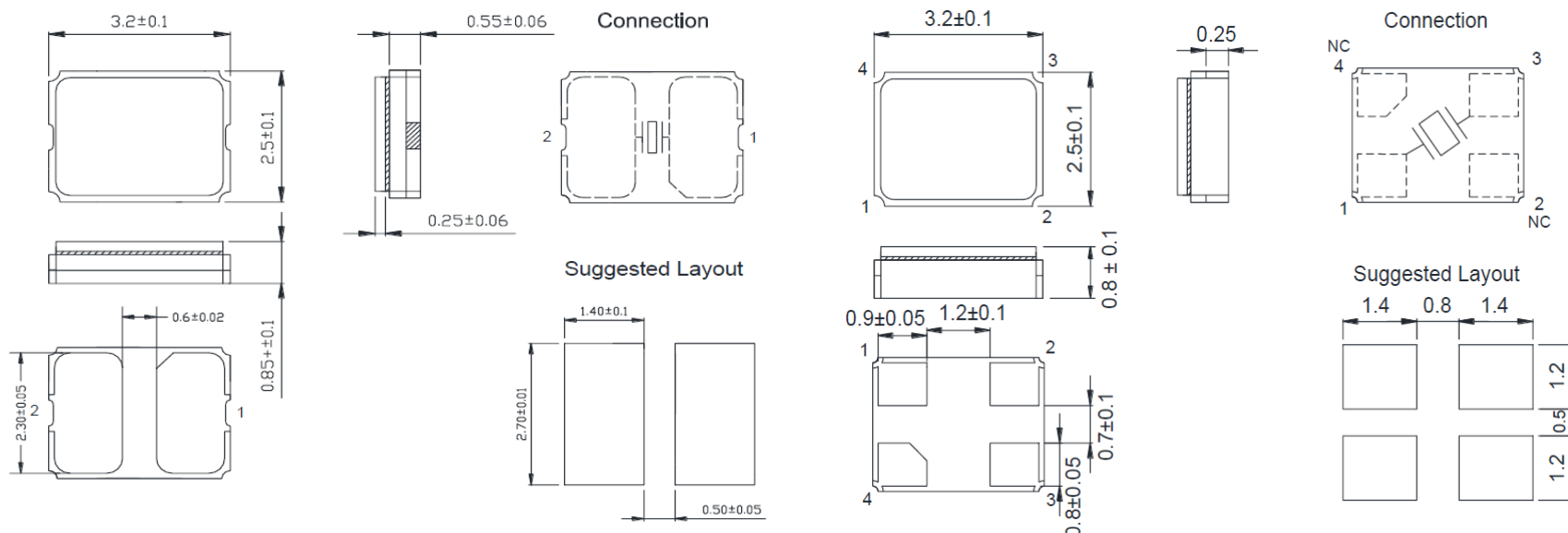
Relative humidity : 40% ~ 70%

### ● Table 1 . Electrical Specifications

Parameters	Symbol	Min.	Typ.	Max.	Units	Notes
Nominal Frequency	F	8 ~ 55.4			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	$\pm 20, \pm 30$			ppm	@ $-40 \sim 85^\circ\text{C}$
		$\pm 30, \pm 50$				@ $-40 \sim 105^\circ\text{C}$
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	8~10MHz
		-	-	150		10~16MHz
		-	-	50		16~40MHz
		-	-	40		>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)

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