

## Product Features

1. All Quartz material with Lid , Blank and PKG
2. 4 pads surface mount package
3. Application for variety of consumer products reference clocks
4. Frequency Stability performance is parabola going downwards.
5. RoHS and REACH Compliant , Pb-free , Halogen-free
6. Industry Standard Package :  
1.2\*1.0\*0.35 mm (T13 Series)

Application :

- Real Time Clock
- System in sleep mode or low energy mode Timekeeping



Test condition

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

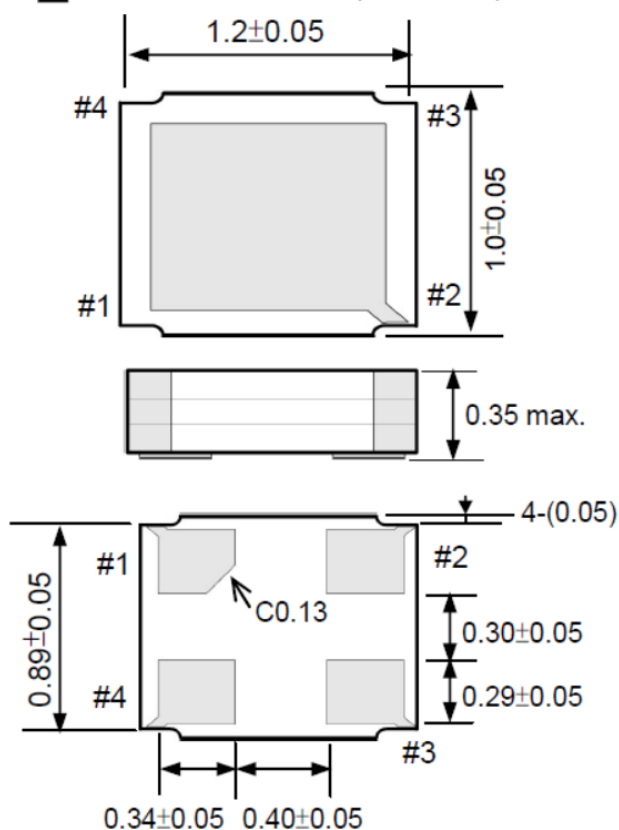
Relative humidity : 40% ~ 70%

### ● Table 1 . Electrical Specifications

Parameters	Symbol	Min.	Typ.	Max.	Units	Notes
Nominal Frequency	F	32.768			KHz	
Frequency Tolerance	FT	$\pm 20$			ppm	@ $25^{\circ}\text{C} \pm 3^{\circ}\text{C}$
Parabolic Curvature Constant	K	-0.039			ppm/ $^{\circ}\text{C}^2$	
Operating Temperature	Topr	-40	25	85	$^{\circ}\text{C}$	
Load Capacitance	CL	6 , 7 , 9 , 12.5			pF	
Drive Level	DL	-	0.1	0.5	uW	
Equivalent Series Resistance	ESR	-	-	90	KOhm	
Aging	-	$\pm 3$			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)



### ■ RECOMMENDED SOLDER PAD (UNIT:mm)

