

Product Features

1. 2 pads SMD glass sealed crystal
2. Wide operating temperature range
3. Superior and reliable performance in harsh environment
4. Excellent environment-resistant performance , including heat , vibration and shock resistance.
5. AEC-Q200 Compliant
6. Contains Pb in sealing glass exempted by RoHS directive
7. Industry Standard Package :
3.2*2.5*0.9 mm (A3 Series)

Application :

- Automotive Ethernet
- In-Vehicle Infotainment system
- Battery Management System , Body Control
- Instrument clusters
- Power steering , Breaking System , Engine Control



Test condition

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

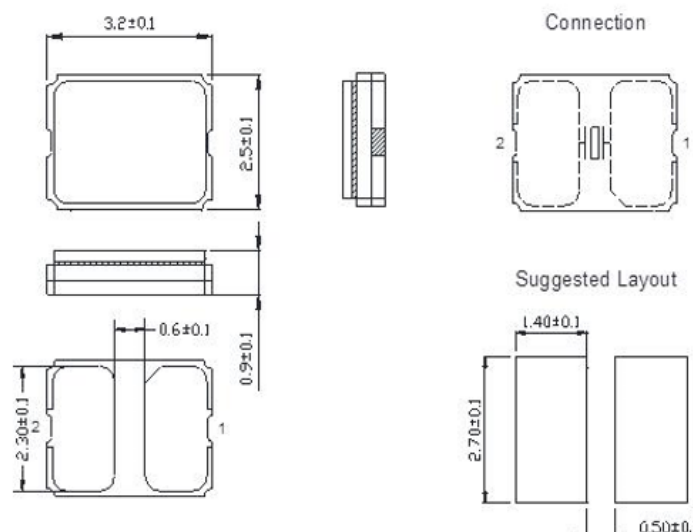
Relative humidity : 40% ~ 70%

● Table 1 . Electrical Specifications

Parameters	Symbol	Min.	Typ.	Max.	Units	Notes
Nominal Frequency	F	8 ~ 40			MHz	
Frequency Tolerance	FT	± 10			ppm	@ $25^{\circ}\text{C} \pm 3^{\circ}\text{C}$
Frequency Stability Over Operating Temp. Range (Reference 25°C)	ST	± 15			ppm	@ $-40 \sim 85^{\circ}\text{C}$
		± 30				@ $-40 \sim 105^{\circ}\text{C}$
		± 50				@ $-40 \sim 125^{\circ}\text{C}$
		± 150				@ $-40 \sim 150^{\circ}\text{C}$
Operating Temperature	Topr	-40	25	150	$^{\circ}\text{C}$	
Load Capacitance	CL	8 , 10 , 12 or specify			pF	
Drive Level	DL	-	100	300	uW	
Equivalent Series Resistance	ESR	-	-	300	Ohm	8~16MHz
		-	-	80		16~20MHz
		-	-	50		20~40MHz
Aging	-	± 3			ppm	1st Year
		± 15				15th Year

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

● Dimensions



(Unit : mm)