

Product Features

1. 2 pads SMD glass sealed crystal
2. Reliable glass sealed ceramic package
3. Wide operating temperature range
4. Superior and reliable performance in harsh environment
5. AEC-Q200 Compliant
6. Contains Pb in sealing glass exempted by RoHS directive
7. Industry Standard Package :
5.0*3.2*1.25 mm (AA 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 : $25 \pm 5^\circ\text{C}$

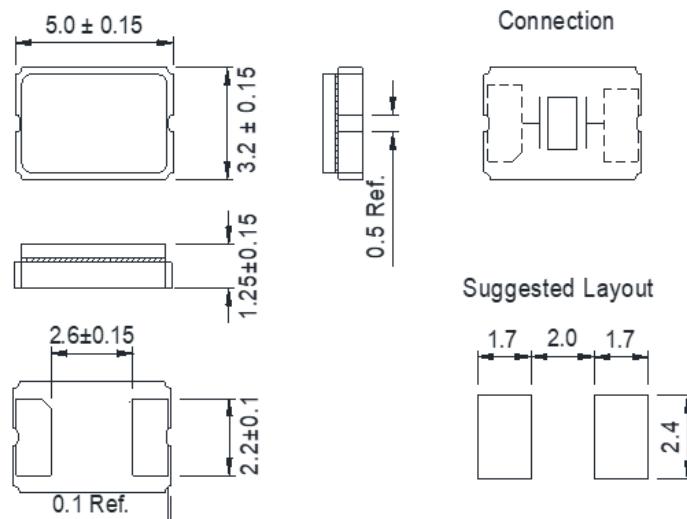
Relative humidity : 40% ~ 70%

● Table 1 . Electrical Specifications

Parameters	Symbol	Min.	Typ.	Max.	Units	Notes
Nominal Frequency	F	7.2 ~ 48			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	-	-	150	Ohm	7.2~12MHz
		-	-	100		12~20MHz
		-	-	50		20~48MHz
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)