



Features

- > 2 pads SMD glass sealed crystal units.
- > High reliable environmental performance.
- > Tight tolerance and stability parts are available.
- > Designed for automatic mounting and reflow soldering.
- > Reasonable cost and good delivery performance.
- > The best choice of portable PC, PDA, DSC, and USB interface card.
- > Contains Pb in sealing glass exempted by RoHS directive.

Electrical Specifications

Frequency Range	8.000 ~ 84 MHz
Load Capacitance	Series, 6~32 pF, or specify
Frequency Tolerance (at 25 °C)	±10, ±20, ±30 ppm, or specify
Frequency Stability Over Operating Temperature Range	±10, ±20, ±30 ppm, or specify
Operating Temperature Range	-20 ~ +70 °C, -40~+85 °C, or specify
Storage Temperature Range	-40 ~ +85 °C
Shunt Capacitance (C0)	7 pF Max.
Drive Level	1 ~ 1000 μW (100 μW typical)
Insulation Resistance	500 MΩ Minimum at 100VDC
Aging (at 25°C)	±3 ppm / year Max.

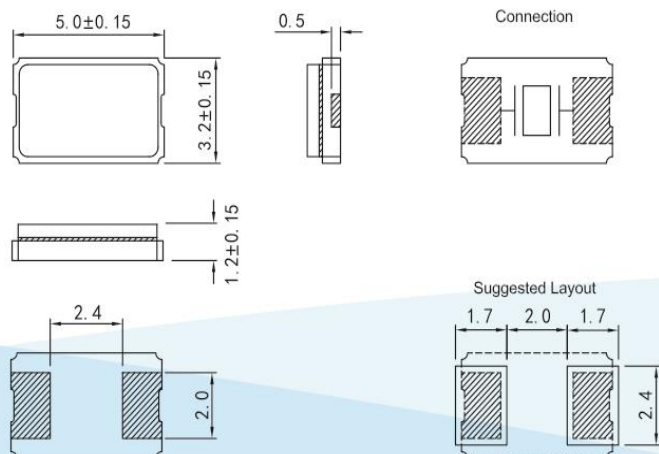
Equivalent Series Resistance(ESR)

Frequency Range (MHz)	Mode	ESRΩ(MAX)
10.000~19.999	FOUN	80
20.000~29.999	FOUN	60
30.000~54.000	FOUN	40
40.000~80.000	3rd	80

Frequency Stability Over Operating Temperature Range

Temperature Range	Frequency Stability (ppm)			
	±10	±15	±20	±30
0 ~ +50°C	*	*	*	*
-10 ~ +60°C	*	*	*	*
-20 ~ +70°C	*	*	*	*
-30 ~ +80°C		*	*	*
-40 ~ +85°C			*	*

Dimensions



Units:mm