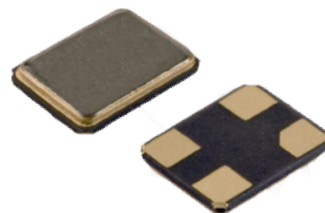


Product Features

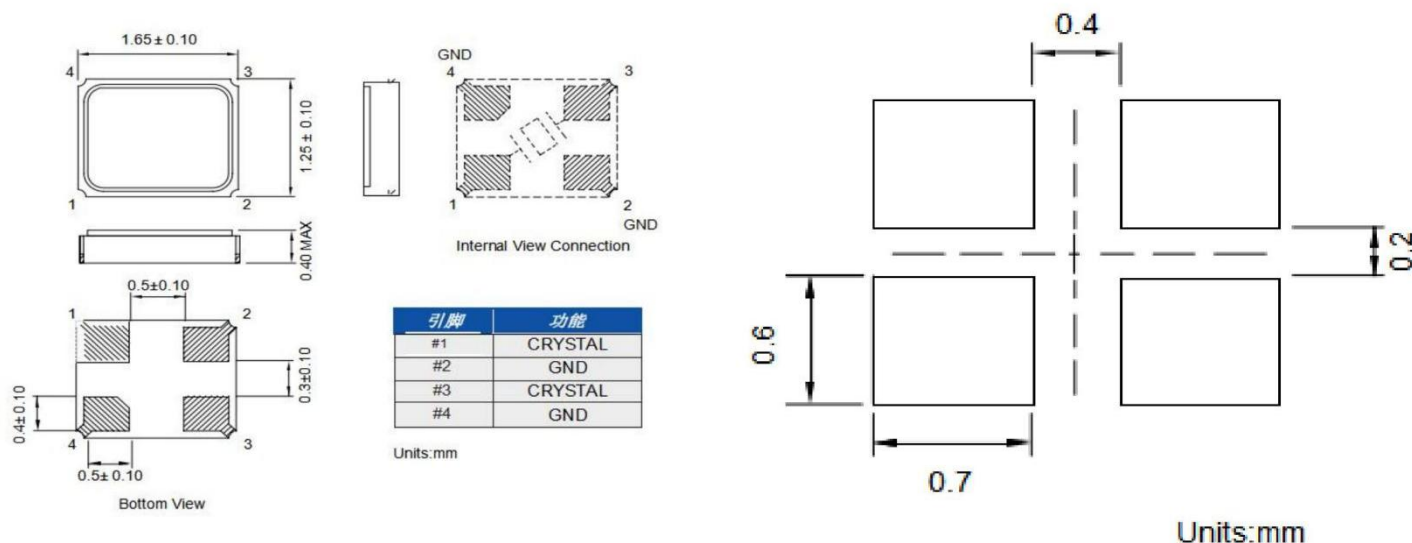
- ◆ Small dimensions 1.6x1.2x0.4Max with 4 solder pads.
- ◆ Highly reliable vacuum seam sealed ceramic package.
- ◆ Tight tolerances and stabilities over temperature range.
- ◆ RoHS compliant, LEAD-FREE and HALOGEN-FREE.



Electrical Characteristics

No	Items	Electrical Spec			Conditions/Remarks
1	Nominal frequency range	FL	16.000~96.000	MHz	
2	Frequency Tolerance	$\Delta f/f$	$\pm 10\text{ppm} / \pm 20\text{ppm} / \pm 30\text{ppm}$	ppm	at $25\pm 2^\circ\text{C}$ Other options available
3	Operatin Temperature	T_{use}	$-40^\circ\text{C} \text{ to } +85^\circ\text{C} (+125^\circ\text{C})$	$^\circ\text{C}$	Other options available
4	Frequency temperature characteristics	f_{tem}	$\pm 20 \times 10^{-6} / -20^\circ\text{C} \text{ to } +70^\circ\text{C}$ $\pm 30 \times 10^{-6} / -40^\circ\text{C} \text{ to } +85^\circ\text{C}$	ppm	Other options available
5	Resonance Resistance	ESR	< 150	ohms	16.000 to 23.999MHz
			< 100		24.000 to 29.999MHz
			< 80		30.000 to 37.400MHz
			< 50		38.400 to 96.000MHz
6	Load Capacitance	CL	4 ~ 33pF or SERIES	pF	Please specify
7	Shunt Capacitance	C0	2	pF	Max
8	Drive level	DL	100 μW TYP	μW	
9	Storage temperature range	T_{stg}	$-55 \text{ to } +125^\circ\text{C}$	$^\circ\text{C}$	
10	Aging (/1 year)	Δf_A	± 3	ppm/year	at $25\pm 2^\circ\text{C}$

Package Outline Dimensions



Packing Specificatio

- ◆ QTY per reel: 3,000pcs Max.