## **Features**

- 3225 size ultra miniature and lightweight SMD crystal units with low profile of 0.8mm
- Frequency range from 8MHz to 64MHz
- High precision and high frequency stability
- Automatic mounting and reflow soldering
- Applications: Wireless Communications, PC, DSC, PDA, Wearables, etc.
- Contains Pb in sealed glass exempted by RoHS directive





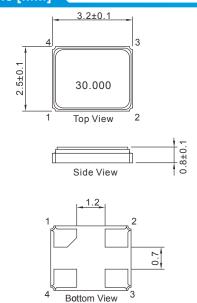
## Standard Specifications

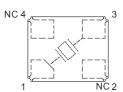
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Туре	7V Glass SMD Crystal					
Frequency Range	8~64 MHz					
Frequency Tolerance (at 25°C)	±10ppm±20ppm					
Frequency Stability (over Operating Temp.)	±0ppm, ±0ppm					
Operating Temperature Range	-20~+70°C, -40~+85°C					
Shunt Capacitance (C₀)	5pF Max.					
Drive Level	1~50μW (10μW Typ.)					
Load Capacitance	8pF, 10pF, or specify					
Aging (at 25°C)	±3ppm / year Max.					
Storage Temperature Range	-40~+85°C					
Packing Unit	3000pcs./Reel					

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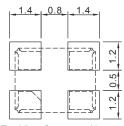
Equivalent octios ite	313tance .				
		mental			
8~10 MHz	400Ω Max.		20~27 MHz	60Ω Max.	
10~12 MHz	100Ω Max.		27~64 MHz	50Ω Max.	
12~20 MHz	80Ω Max.			•	

## Dimensions [mm]





Top View Crystal Connection



Top View Suggested Layout