



## 3225 Crystal Clock Oscillator

■ Holder Type: C8(3.2×2.5)

### Frequency Range:

4.00MHz to 110.00MHz

### Features:

- High Reliability & Low Cost Unit
- Tight Stability & Extended Temperature Available
- Lead-free Type
- For automotive applications, please contact our sales representative



Actual Size



CLOCK OSCILLATORS

## ■ Standard Specifications

Item	Value	
Frequency Range	4.00 to 110.00MHz	
Frequency Tolerance @ 25 °C	±25ppm, ±50ppm, ±100ppm (tighter tolerance also available)	
Operating Temperature Range	0 °C to +70 °C / -40 °C to +85 °C (other operating range also available)	
Operable Temperature Range	-55 °C to +125 °C	
Output Type	HCMOS	
Output Load	15pF /30pF/50pF	
Operating Voltage	3.3V±10% / 5V±10% (0.8~5.5V±10%)	
Output Symmetry	HCMOS:40~60% (at 50% V <sub>DD</sub> ) 45~55% is available	
“High” Output Voltage	HCMOS: 90% V <sub>DD</sub> Min	
“Low” Output Voltage	HCMOS: 10% V <sub>DD</sub> Max	
Current Consumption	4.0 to 60.0MHz	50mA Max
	60.00 to 110.00MHz	70mA Max
Rise and Fall Time	4.0 to 110.00MHz	10ns Max
Tri-State	Yes	
Aging	Max 5ppm / year	

### Note:

1. Manufacturer reserves the right to change the specification and content of this product for improvement without notification.
2. Custom specification is welcome. Please contact our sales representative for further details.
3. If the crystal is intended for applications which have direct impact on human life and properties, and require a high degree of reliability and safety concerns, customers must provide full information such as but not limit to the application, electrical and reliability specification at the inquiry beginning stage.