

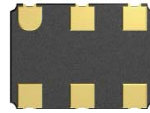


#### Frequency Range:

10.00MHz to 88.00MHz

#### Features:

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



Actual Size



### ■ Standard Specifications

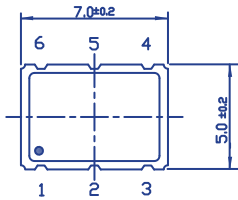
Item	Value
Frequency Range	10.00 to 88.00MHz
Frequency Tolerance @ 25 °C	±50ppm (tighter tolerance also available)
Operating Temperature Range	-40 °C to +85 °C (other operating range also available)
Operable Temperature Range	-45°C to +90 °C
Output Type	CMOS Output
Operating Voltage	3.3V±10% / 5V±10%
Frequency Adjustment	±80ppm, ±100ppm standard, ±120ppm , ±150ppm optional
Frequency control voltage	For 3.3V type 1.62±1.65V                      For 2.5V type 1.25±1.25V For 5V type 2.5±2.5V
Current Consumption	15mA typical, 40mA Max
Duty Cycle	40 / 60% at 50% V <sub>DD</sub>
“High” Output Voltage	90% V <sub>DD</sub> Min
“Low” Output Voltage	10% V <sub>DD</sub> Max
Rise and Fall Time	6ns Max
Output Load	15pF Typical

#### Note:

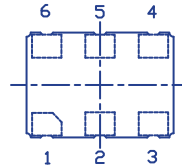
1. Manufacturer reserves the right to change the specification and content of this product for improvement without notification.
2. Custom specification is welcome. Please contact our sales representative for further details.
3. If the crystal is intended for applications which have direct impact on 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.

■ Holder Type: V5(7.5×5.0)

■ Dimensions (mm) and Solder Pad Layout (mm)

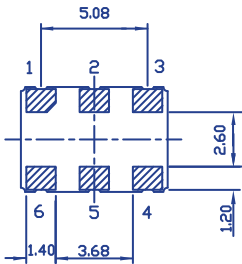


TOP VIEW

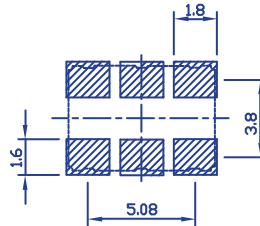


FRONT VIEW

PIN	CONNECTION
1	V <sub>C</sub>
2	Enable / Disable
3	Ground
4	Output
5	N.C.
6	V <sub>DD</sub>



BOTTOM VIEW



RECOMMENDED LAND PATTERN

MARKING INFORMATION



XXXXXX = CRYSTAL FREQUENCY  
 BBB - 2~3 DIGITS BATCH CODE