

# Crystal Oscillators

水晶発振器

Crystal Clock Oscillators クロック オシレータ  
Surface Mount VCXO Type 表面実装型 VCXOタイプ

**SAT7000**

Series  
シリーズ

Operating Conditions  
動作条件

|                              |             |            |
|------------------------------|-------------|------------|
| Operating Temperature 動作温度範囲 | -10 ~ +70°C |            |
| Supply Voltage 供給電圧          | VEE         | -5.2V ± 5% |
|                              | VCC         | +5.0V ± 5% |



## Specifications 仕様

| Parameters<br>特性項目                    | Conditions<br>条件                          | SAT7250A                                     | SAT7250AA               |
|---------------------------------------|---|--|-------------------------|
| Input Current<br>消費電流(max)            | Frequency Ranges<br>周波数範囲                 | 622.080MHz, 666.51428MHz, 669.32658MHz 120mA |                         |
| Frequency Stability<br>周波数安定性(max)    | Vcont=+2.5V                               | ± 50ppm                                      |                         |
| Frequency Pullability<br>周波数可変幅 (min) |   | ± 100ppm                                     |                         |
| Control Voltage<br>制御電圧               | 制御極性<br>slope                             | +2.5 ± 2.0 V (Positive)                      | -2.5 ± 2.0 V (Negative) |
| Symmetry<br>シンメトリー(max)               | At 50%Vp-p<br>50%Vp-pにて                   | 40/60%                                       |                         |
| Output Voltage<br>出力電圧                | "0" Level(max)<br>"1" Level(min)          | +3.40V<br>+3.90V                             | -1.6V<br>-1.10V         |
| Rise/Fall Time<br>立上り / 立下り時間(max)    | At 20% ~ 80% Vp-p<br>20% ~ 80%Vp-pにて      | 0.5ns  |                         |
| E/D Function<br>E/D 機能                | #6 Open or ≤ Vcc-1.60 V<br>#6 ≥ Vcc-1.10V | #8, #9 Active<br>#8 Hight #9 Low             |                         |
| Load<br>負荷                            | R <sub>TT</sub><br>V <sub>TT</sub>        | 50 Ω<br>+3.0V                                | 50 Ω<br>-2.0V           |

## Pad Connections パッド接続

|           | #1    | #6  | #7        | #8    | #9            | #14       |
|-----------|-------|-----|-----------|-------|---------------|-----------|
| SAT7000A  | Vcont | E/D | GND       | OUT Q | OUT $\bar{Q}$ | Vcc +5.0V |
| SAT7000AA | Vcont | E/D | VEE -5.2V | OUT Q | OUT $\bar{Q}$ | GND       |

## Case Dimensions ケース寸法

