









The Frequency Control Specialist





# **Guidelines on Power Supply**

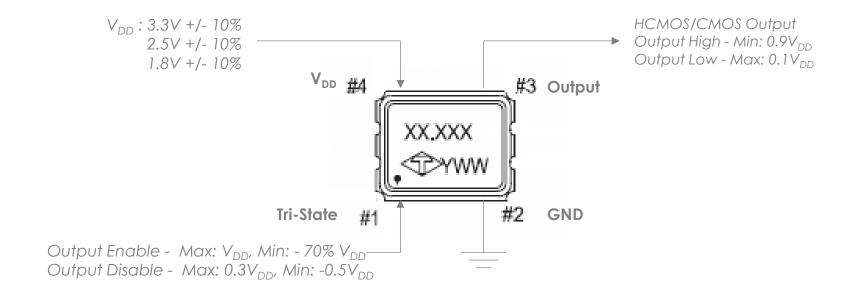


We do not recommend using filter or other device in the circuit leading into  $V_{DD}$  pin.

The input voltage of Tri-State pin cannot be higher than the power supply voltage.

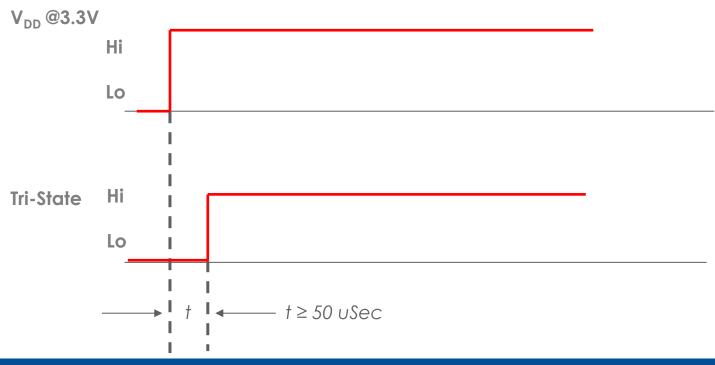


### **Electrical Specification**



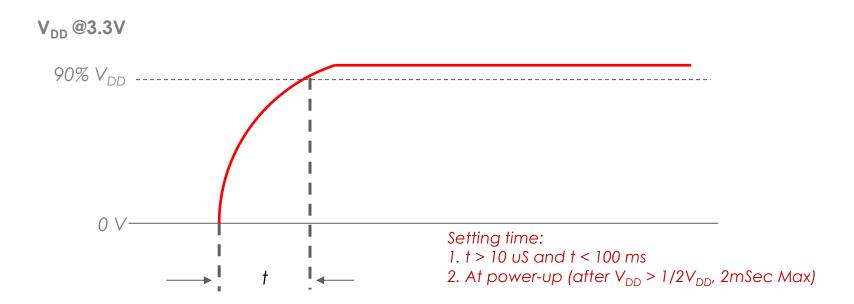
## Guidelines on Startup Timing (1)

Tri-State signal shall be lagging  $V_{DD}$  by 50 uS or more during startup



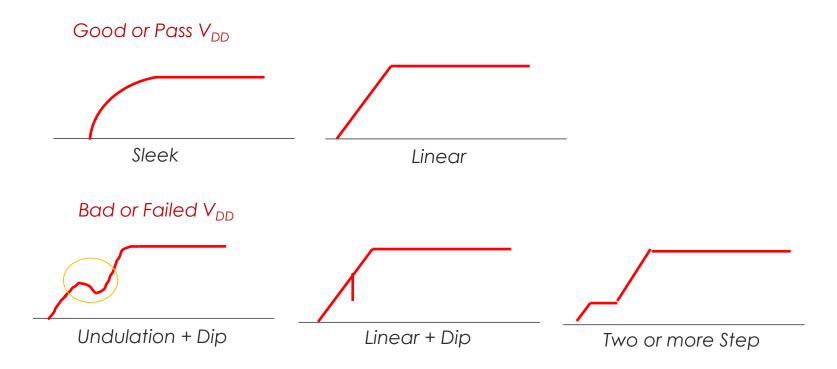
# Guidelines on Startup Timing (2)

The startup time (t from 0V to  $0.9V_{DD}$ ) for power source shall be more than 10 uS and less than 100 mS.



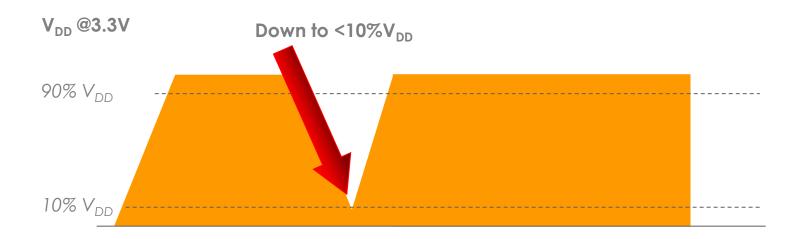
www.taitien.com

# Programmable Products Power Rise mode Recommendation



## **Guideline on Power Supply Profile**

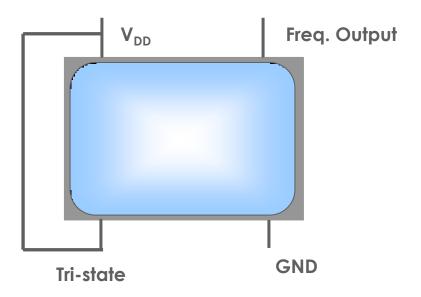
When turning off the oscillator, make sure the power level drop below 0.1V<sub>DD</sub>



# How to use Tri-State XO if you do not need Tri-State Function

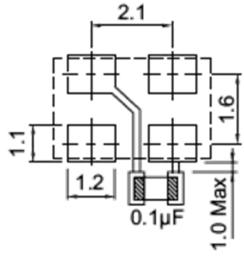
Because there is a internal pull-up resistance. So you can connect Tri-State pin to  $V_{DD}$  or let Tri-State pin is floating if you do not need Tri-State function.

Taitien recommend to connect Tri-State to  $V_{DD}$ .



### Recommended Soldering Pattern

A bypass capacitor shall be placed within 1mm of GND or  $V_{DD}$  pins.



Recommended soldering pattern

#### **Thank You for Your Attention**

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