

## NT7050BC

Temperature Compensated Crystal Oscillator (TCXO)  
With Enable / Disable (Stand-by) function

### Main Application

- SONET/SDH
- Femtocell/Small cell Basestation
- Stratum3

### Features

- With Enable / Disable(Stand-by) function.
- Maximum Operating Temp. +105°C . (Freq. / Temp. Characteristics Max.  $\pm 0.5 \times 10^{-6}$ )
- Freq. / Temp. Characteristics Max.  $\pm 0.07 \times 10^{-6}$  .(Operating Temp. Range-10 to +70°C)
- Low current consumption : Max. 6mA
- Output voltage can be selected CMOS or Clipped Sine.
- Small size SMD package : (7.0×5.0×2.0mm)



Pb Free

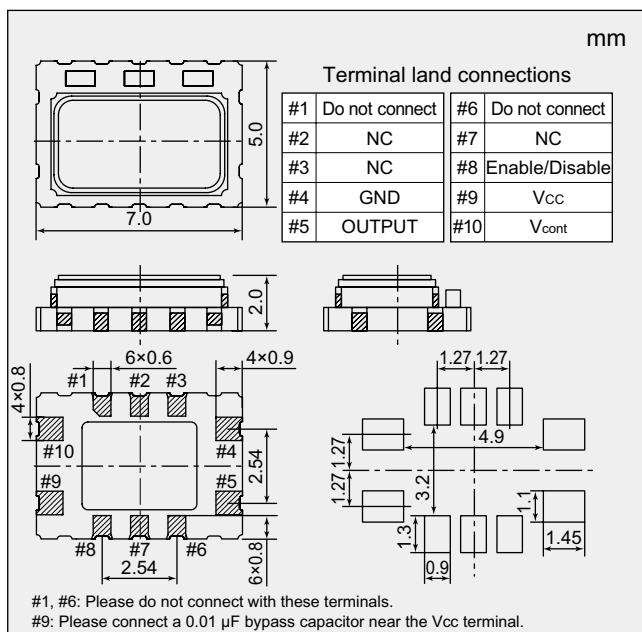
RoHS Compliant  
Directive 2011/65/EU

### Specifications

Item	Model	NT7050BC		
Nominal Frequency (MHz)	10 to 26	10 to 40	10 to 25	
Supply Voltage [V <sub>cc</sub> ] (V)	+3.3 ± 2%	+3.3 ± 5%	+3.3 ± 5%	
Current Consumption (mA)	Max. 6			
Output Voltage	CMOS or Clipped sine			
Symmetry Min. to Max. (%)	40 to 60			
Output Load Condition	15pF or 10kΩ // 10 pF			
Operating Temperature Range (°C)	-10 to +70	-40 to +85	-40 to +105	
Storage Temperature Range (°C)	-55 to +125			
Frequency/Temperature Characteristics	Max. $\pm 0.07 \times 10^{-6}$	Max. $\pm 0.28 \times 10^{-6}$	Max. $\pm 0.5 \times 10^{-6}$	
Overall Frequency Tolerance *1	Max. $\pm 4.6 \times 10^{-6}$			
Absolute Pull Range(APR) / Control Voltage [V <sub>cont</sub> ]	Max. $\pm 5 \times 10^{-6}$ / +1.65V ± 1.65V			
Enable / Disable Function	Enable : Min. 70%V <sub>cc</sub> or OPEN		Disable : Max. 30%V <sub>cc</sub>	

\*1 : Overall Frequency Tolerance includes Frequency/Temperature Characteristics, Initial Frequency tolerance, Frequency/Voltage Coefficient, Frequency/Load Coefficient and Long-term Frequency Stability (15years).

### Dimensions



### Specification Number

Please specify the model name, frequency, and specification number when you order products.

For further questions regarding specifications, please feel free to contact us.

Output Voltage : CMOS

Operating Temperature Range (°C)	-10 to +70°C	-40 to +85°C	-40 to +105°C
Specification Number	NSA3634B	NSA3634D	NSA3634F

Output Voltage : Clipped Sine

Operating Temperature Range (°C)	-10 to +70°C	-40 to +85°C	-40 to +105°C
Specification Number	NSA3634A	NSA3634C	NSA3634E