

NT7050BC

High Precision Temperature Compensated Crystal Oscillator (TCXO)
with E/D function for STRATUM3

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

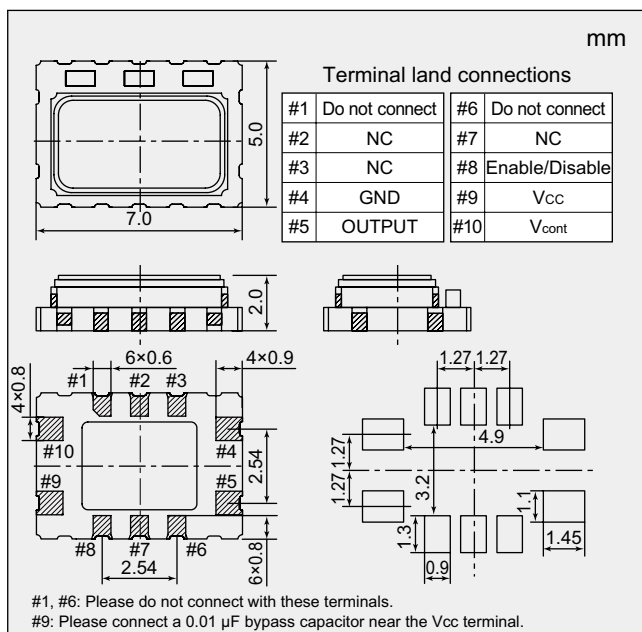
RoHS Compliant
Directive 2011/65/EU

Specifications

Item	Model	NT7050BC		
Nominal Frequency (MHz)	10 to 26	10 to 40	10 to 25	
Supply Voltage [V _{cc}] (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 _{cont}]	Max. $\pm 5 \times 10^{-6}$ / +1.65V ± 1.65V			
Enable / Disable Function	Enable : Min. 70%V _{cc} or OPEN		Disable : Max. 30%V _{cc}	

*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