



Crystal Oscillator

NT7050BB

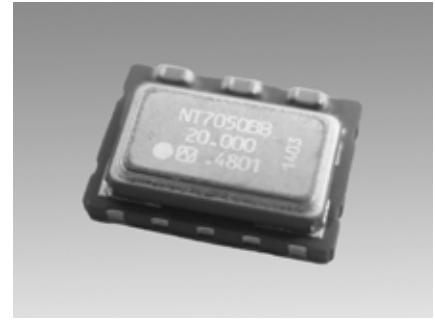
High Precision Temperature Compensated Crystal Oscillator (TCXO) for STRATUM3

Main Application

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

Features

- 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)



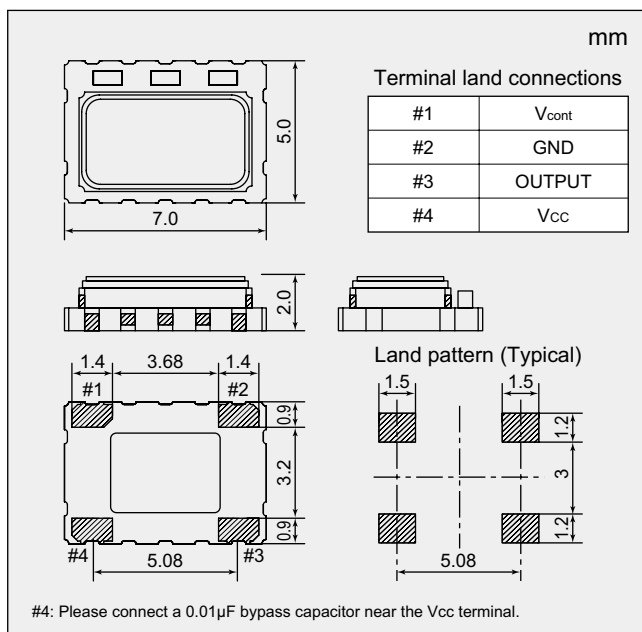
Pb Free RoHS Compliant
Directive 2011/65/EU

Specifications

Item	Model	NT7050BB		
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. $\pm 3 \times 10^{-6}$ / +1.65V ± 1.65V		

*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	NSA3633B	NSA3633D	NSA3633F

Output Voltage : Clipped Sine

Operating Temperature Range (°C)	-10 to +70°C	-40 to +85°C	-40 to +105°C
Specification Number	NSA3633A	NSA3633C	NSA3633E