

Crystal Oscillator

NT5032BA / NT5032BB

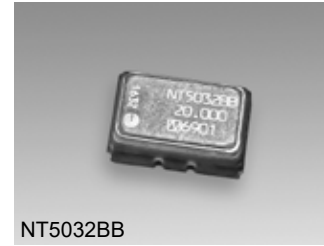
High Precision Temperature Compensated Crystal Oscillator (TCXO)
for STRATUM3

Main Application

- Stratum3
- SONET/SDH
- Basestation

Features

- Maximum Operating Temp. +105°C.
(Freq. / Temp. Characteristics Max. $\pm 0.5 \times 10^{-6}$)
- Low current consumption : Max. 8mA
- Output specification can be selected CMOS or Clipped Sine.
- Small size SMD package : (5.0×3.2×1.8mm)
- With Enable / Disable function. (NT5032BA)



Pb Free

RoHS Compliant
Directive 2011/65/EU
Directive (EU) 2015/863

Specifications

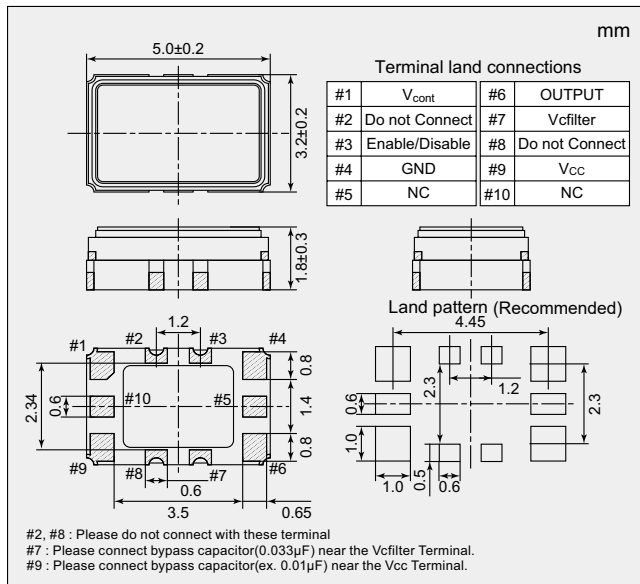
Item	Model	NT5032BA / NT5032BB	
Nominal Frequency (MHz)		10 to 40	10 to 25
Supply Voltage [V _{cc}] (V)		+3.3 ± 5%	+3.3 ± 5%
Current Consumption (mA)		Max. 8	
Output Specification		CMOS or Clipped sine	
Symmetry Min. to Max. (%)		40 to 60 (CMOS)	
Output Load Condition		15pF or 10kΩ // 10 pF	
Operating Temperature Range (°C)		-40 to +85	-40 to +105
Storage Temperature Range (°C)		-40 to +105	
Frequency/Temperature Characteristics		Max. $\pm 0.28 \times 10^{-6}$	Max. $\pm 0.5 \times 10^{-6}$
Overall Frequency Tolerance *1		Max. $\pm 4.6 \times 10^{-6}$	
Frequency Control Range / Control Voltage [V _{cont}]		Min. $\pm 5 \times 10^{-6}$ / +1.65V ± 1.65V	
Enable / Disable Function *2		Enable : Min. 80%V _{cc} or OPEN	Disable : Max. 20%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).

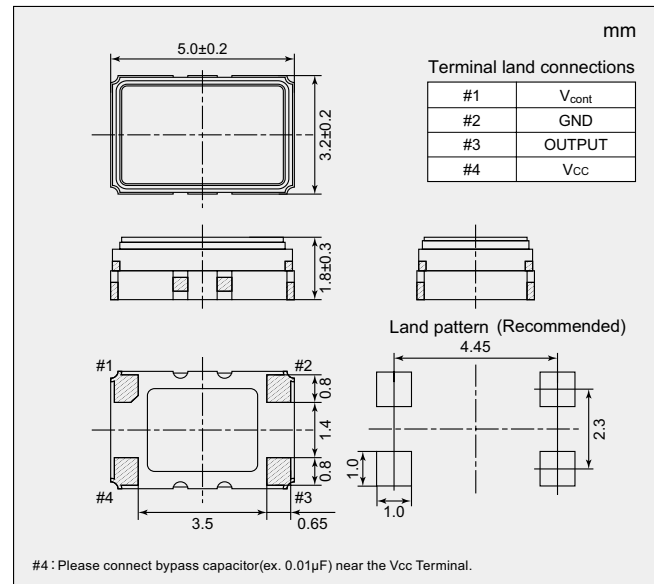
*2 : NT5032BA

Dimensions

Model Name : NT5032BA



Model Name : NT5032BB



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.

Model	Operating Temperature Range	
	Output Specification	
NT5032BA	CMOS	NSC5118Q NSC5118S
	Clipped Sine	NSC5118P NSC5118R

Model	Operating Temperature Range	
	Output Specification	
NT5032BB	CMOS	NSC5119Q NSC5119S
	Clipped Sine	NSC5119P NSC5119R