

Crystal oscillator for 5G

NT5032BA

High Precision Temperature Compensated
Crystal Oscillator (TCXO) for 5G and STRATUM3

Main Application

- 5G compatible device
- Stratum3
- Network
- Basestation

Features

- Freq. / Temp. Characteristics : Max. $\pm 0.1 \times 10^{-6} / -40$ to $+105^\circ\text{C}$
- Excellent phase noise characteristics : Typ. $-97\text{dBc/Hz}@10\text{Hz}$
- Output specification can be selected CMOS or Clipped Sine.
- With Enable / Disable function.
- 4 terminal type available.



Pb Free

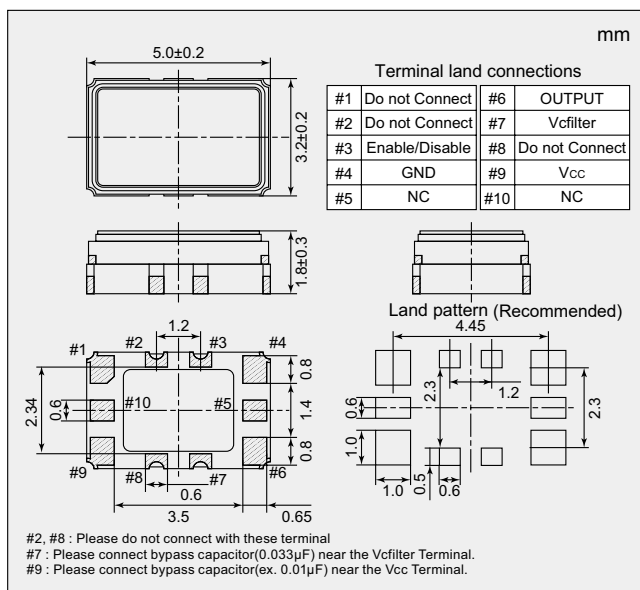
RoHS Compliant
Directive 2011/65/EU
Directive (EU) 2015/863

Specifications

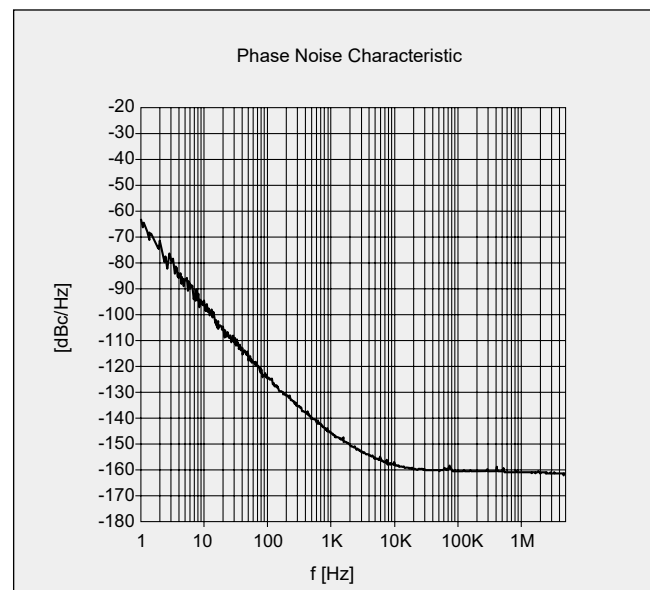
Item	Model	NT5032BA	
Nominal Frequency Range (MHz)		10, 38.88	
Supply Voltage [V _{cc}] (V)		$+3.3 \pm 5\%$	
Current Consumption (mA)		Max. 10	
Output Specification		CMOS	Clipped sine
Symmetry Min. to Max. (%)		40 to 60	
Output Load Condition		15pF	10k Ω // 10 pF
Operating Temperature Range ($^\circ\text{C}$)		-40 to +105	
Storage Temperature Range ($^\circ\text{C}$)		-40 to +105	
Frequency/Temperature Characteristics		Max. $\pm 0.1 \times 10^{-6}$	
Overall Frequency Tolerance *1		Max. $\pm 4.6 \times 10^{-6}$	
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



Phase Noise Characteristics



Contact Us

Standard catalog specifications are listed for the products listed. Custom is available upon request.
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