

Crystal Oscillator NEW

NT2016SB

Low power supply voltage Temperature Compensated Crystal Oscillator(TCXO)
with E/D function for high-precision GPS

■ Main Application

Mobile phone and Smart watch, etc.

■ Features

- Supports low power supply voltage. (Supports DC +1.1 V to +1.4 V.)
- A crystal oscillator with highly stable frequency / temperature characteristics best suited for GPS.
- Ultra-compact and light with a height, cubic volume, and weight of Max. 0.8 mm, 0.0022 cm³, and 0.008 g, respectively.
- With Enable / Disable(Stand-by) function.
- A surface-mount crystal oscillator. (Reflow soldering is possible.)
- Lead-free. Meets the requirements for re-flow profiling using lead-free solder.



Pb
Free

RoHS Compliant
Directive 2011/65/EU

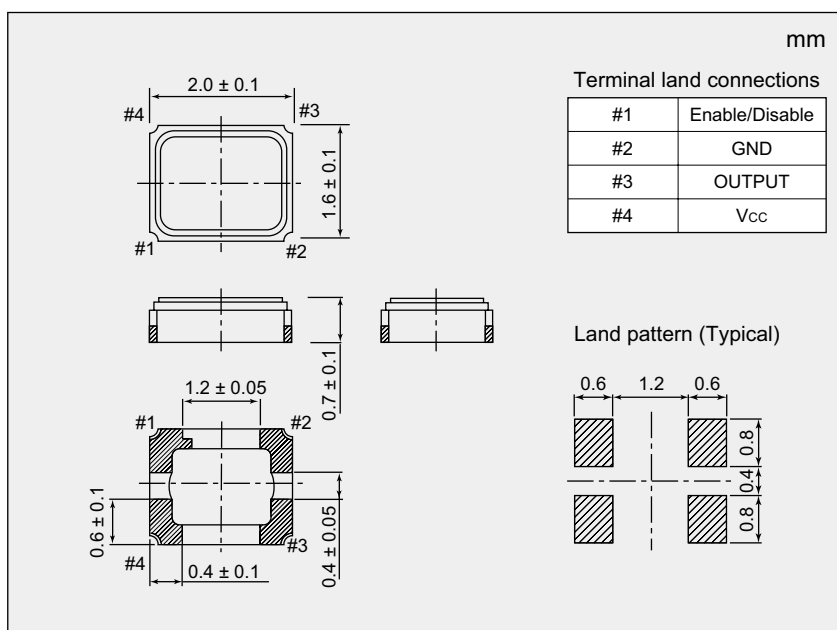
■ Specifications

Item	Model	NT2016SB					
Nominal Frequency (MHz)		10 to 40					
Standard Frequency (MHz)		16.368	16.369	19.2	26	33.6	38.4
Supply Voltage [V _{CC}] (V)		+1.2					
Load Impedance		10 kΩ//10 pF					
Current Consumption	Enable (mA)	Max. 1.7					Max. 2.2
	Disable (μA)	Max. 3					
Output voltage		Min. 0.8 V(p-p) (DC Coupling *1)					
Frequency/Temperature Characteristics		Max. ±0.5×10 ⁻⁶					
Operating Temperature Range (°C)		-30 to +85					
Storage Temperature Range (°C)		-40 to +85					
Frequency/Voltage Coefficient		Max. ±0.1×10 ⁻⁶ /+1.2 V±5 %					
Frequency/Load Coefficient		Max. ±0.1×10 ⁻⁶ /(10 kΩ//10 pF) ±10 %					
Long-term Frequency Stability		Max. ±1.0×10 ⁻⁶ /year					
Enable/Disable function		Enable : 80%V _{CC} to V _{CC} , Disable : 0V to 20% V _{CC}					
Specification Number		NSC5061A	NSC5061A	NSC5061A	NSC5061B	NSC5061B	NSC5061C

* Frequency setting conditions : Frequencies are set at normal temperatures (+25±2 °C).

*1. A DC-cut capacitor is not embedded in this crystal oscillator. Connect a DC-cut capacitor (1,000 pF) to the line-out terminal of the oscillator.

■ Dimensions



Please specify the model name, frequency, and specification number when you order products.
For further questions regarding specifications, please feel free to contact us.