

Crystal Oscillator

NT2520SD

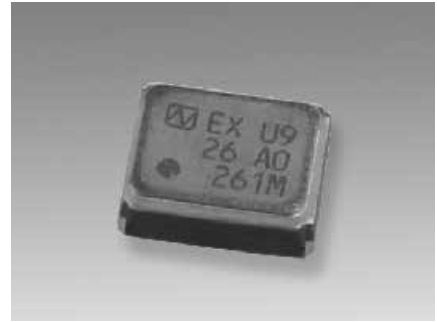
Temperature Compensated Crystal Oscillator(TCXO)
with Stand-by Function

Main Application

Mobile phone, Specified low power radio and Disaster prevention radio, etc.

Features

- With Stand-by function.
- Supports low power supply voltage.
(Supports DC +1.7V to +3.3V. Standard specification : +1.8V)
- Ultra-compact and light with a height, cubic volume, and weight of Max. 0.9 mm, 0.004 cm³, and 0.014 g, respectively.
- Low power consumption.
- 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
Directive (EU) 2015/863

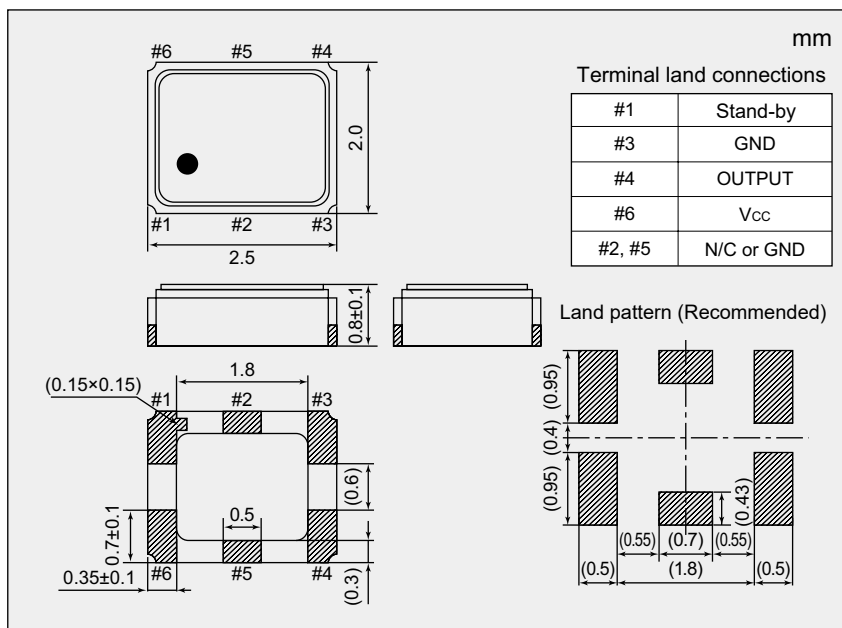
Specifications

Item	Model	NT2520SD						
Nominal Frequency (MHz)		10 to 52						
Standard Frequency (MHz)		16.368	16.369	19.2	26	32	38.4	52
Supply Voltage [V _{cc}] (V)		+1.8						
Load Impedance		10 kΩ//10 pF						
Current Consumption	During Operation (mA)	Max. 2.5						
	During Standby (μA)	Max. 2						
Output Voltage		Min. 0.8 V(p-p) (DC Coupling *1)						
Frequency/Temperature Characteristics		Max. ±1.0×10 ⁻⁶						
Operating Temperature Range (°C)		-30 to +85						
Storage Temperature Range (°C)		-40 to +105						
Frequency/Voltage Coefficient		Max. ±0.3×10 ⁻⁶ /+1.8 V±5 %						
Frequency/Load Coefficient		Max. ±0.2×10 ⁻⁶ /(10 kΩ//10 pF) ±10 %						
Long-term Frequency Stability		Max. ±1.0×10 ⁻⁶ /year						
Stand-by Function		Oscillation output ON : 80%V _{cc} to V _{cc} , High impedance : 0V to 20%V _{cc}						
Specification Number		NSC5322A						

* 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.