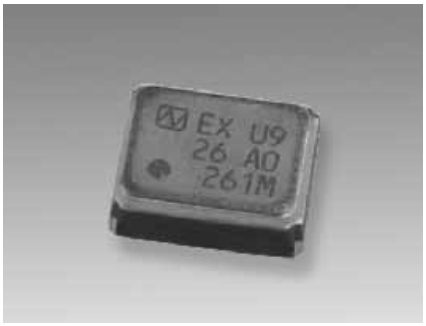
Crystal Oscillator

NT2520SC

CMOS output Temperature Compensated Crystal Oscillator(TCXO) with E/D function

■ Main Application

Wireless module for Smart Meter, Bluetooth module for Automotive



Pb Free

RoHS Compliant
Directive 2011/65/EU

■ Features

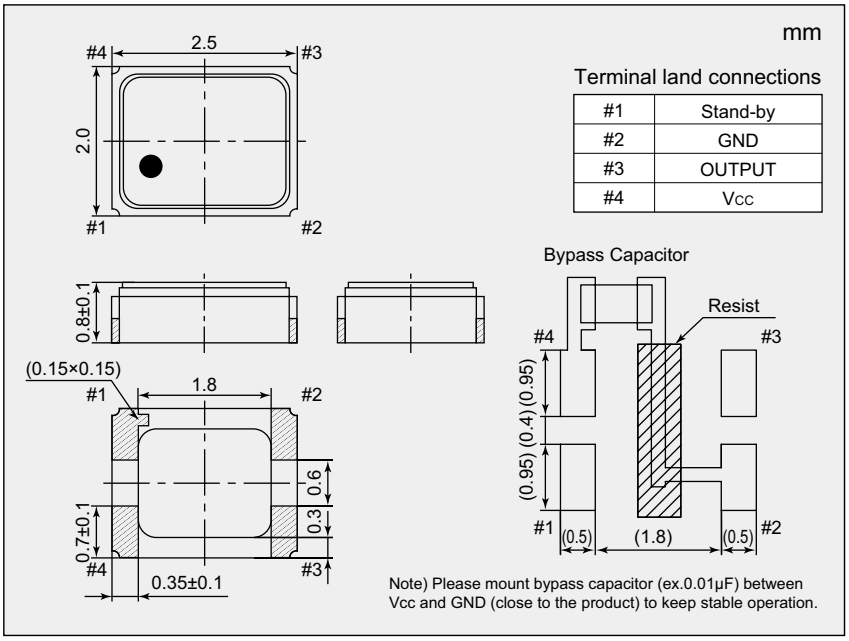
- Output level : CMOS
- Supports low power supply voltage. (Supports DC +1.6 V to +3.63 V.)
- Compact and light with a height, cubic volume, and weight of Max. 0.9 mm, 0.004 cm^3, and 0.014 g, respectively.
- A surface-mount crystal oscillator. (Reflow soldering is possible.)
- Lead-free. Meets the requirements for re-flow profiling using lead-free solder.

■ Specifications

Item \ Model		NT2520SC	
Nominal Frequency (MHz)		10 to 52	
Supply Voltage [V_{CC}] (V)		+1.8	+3.3
Load Impedance (pF)		15	
Current Consumption	Enable (mA)	Max. 10 (26MHz)	
	Disable (μA)	Max. 10 (V_{CC} = +3.3V)	
V_{OL} Max. / V_{OH} Min. (V)		0.2 V_{CC} / 0.8 V_{CC}	
Tr Max. / Tf Max. (ns)		5/5 (at 0.2 to 0.8V_{CC})	
Symmetry Min. to Max. (%)		45 to 55 (at 1/2V_{CC})	
Frequency/Temperature Characteristics		Max. ±2.5×10^{-6}	
Operating Temperature Range (°C)		–30 to +85	
Storage Temperature Range (°C)		–40 to +85	
Long-term Frequency Stability		Max. ±1.0×10^{-6}/year	
Specification Number		NSA3642B	NSA3643B

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

■ 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.