

Crystal Oscillator

NT2520SC

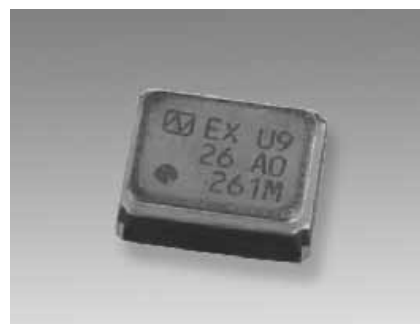
CMOS output Temperature Compensated Crystal Oscillator(TCXO)
with E/D function

Main Application

Wireless module for Smart Meter, Bluetooth module for Automotive

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 cm³, 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.



Pb
Free

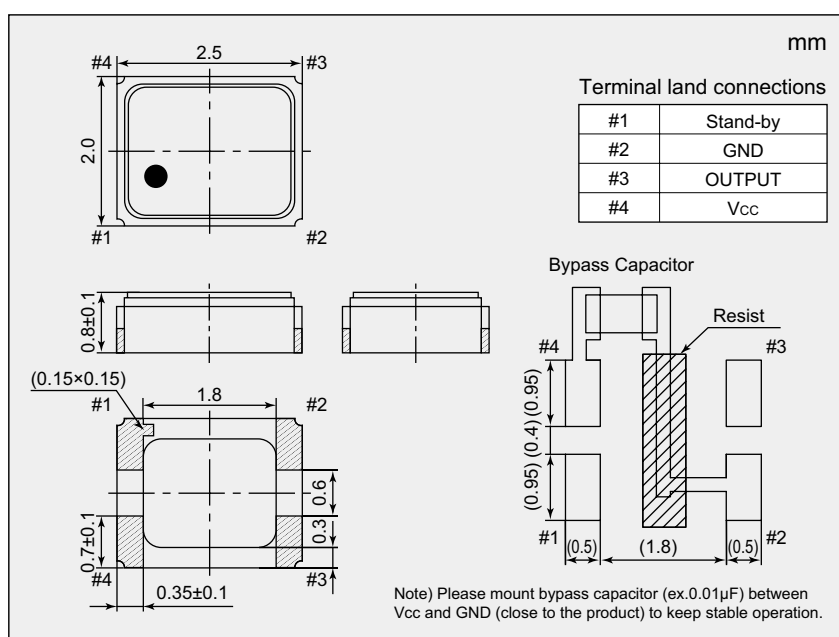
RoHS Compliant
Directive 2011/65/EU

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.