

Model Name NV2520SA

Voltage-Controlled Crystal Oscillator (VCXO)

■ Main Application

For Mobile TV, DSC, Navigation Device, DVD, Blu-ray, etc

■ Features

- A compact and thin. : 2.5 x 2.0 x H 0.9 mm.
- Frequency control range : Min. $\pm 100 \times 10^{-6}$
- Operating temperature range : -40 to $+85^{\circ}\text{C}$
- Output level : CMOS
- Supports low current consumption.



Pb
Free

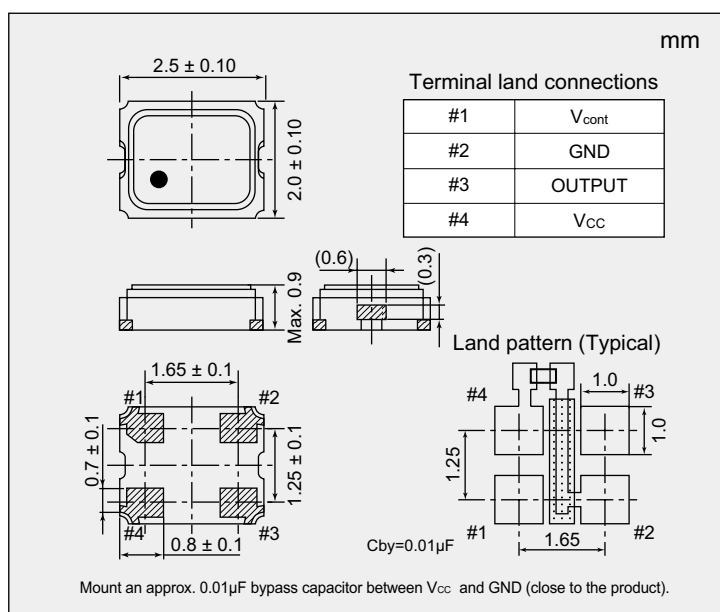
RoHS Compliant
Directive 2011/65/EU

■ Specifications

Item		Model	NV2520SA					
Nominal frequency (MHz)		$1.25 \leq F < 10$	$10 \leq F < 20$	$20 \leq F < 30$	$30 \leq F \leq 40$	$40 < F < 50$	$50 \leq F \leq 65$	$65 < F \leq 80$
Supply voltage [V _{cc}] (V)		+3.3 ± 10 %						
Current consumption (mA)		Max. 3	Max. 4.5	Max. 5	Max. 6	Max. 9	Max. 10	Max. 11
Output level		CMOS						
Symmetry (%)		45 to 55						
Output load condition		15 pF						
Operating temperature range (°C)		-40 to +85						
Storage temperature range (°C)		-55 to +125						
Overall frequency tolerance		Max. $\pm 50 \times 10^{-6}$						
Frequency control range / Control voltage [V _{cont}]		Min. $\pm 100 \times 10^{-6}$ / + 1.65 ± 1.65 V						
Frequency change polarity		Positive						
Phase noise (dBc / Hz)	F _{out} ±1kHz (typ.)	-145	-140	-135		-126	-119	
	F _{out} ±100kHz (typ.)	-160	-156	-154		-151	-146	
Number for specifying an order		NSA3458A						

*This Product does not have Stand-by function.

■ Dimensions



■ How to Specify an Order

When ordering our products, specify them with an "Ordering Code" that consists of the following:

Model name – Frequency (up to 9 digits) M – Number for specifying an order

Example: NV2520SA–27M–NSA3458A

If you have any queries concerning our standard frequencies and numbers for specifying orders, please contact our sales representatives or visit our homepage (<http://www.ndk.com/>)