

Model Name NV3225SA

Voltage-Controlled Crystal Oscillator (VCXO)

■ Main Application

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

■ Features

- A compact and thin. : 3.2 x 2.5 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.



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Free

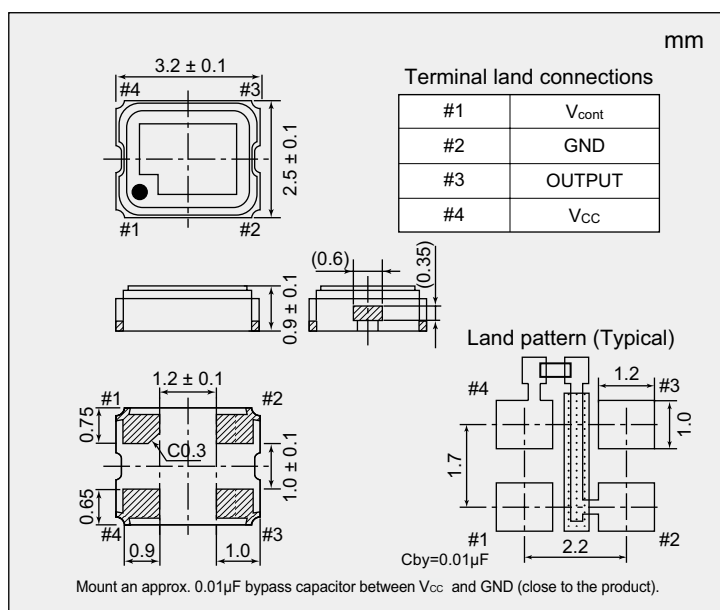
RoHS Compliant
Directive 2011/65/EU

■ Specifications

Item	Model	NV3225SA						
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)		$+3.3 \pm 10\%$						
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. $\pm 100 \times 10^{-6}$ / $+1.65 \pm 1.65$ V						
Frequency change polarity		Positive						
Phase noise (dBc / Hz)	Fout $\pm 1\text{kHz}$ (typ.)	-145	-140	-135	-126	-119		
	Fout $\pm 100\text{kHz}$ (typ.)	-160	-156	-154	-151	-146		
Number for specifying an order		NSA3457A						

*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: NV3225SA-27M-NSA3457A

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/>)