

Crystal Oscillator

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°C
- Output level : CMOS
- Supports low current consumption.



Pb Free

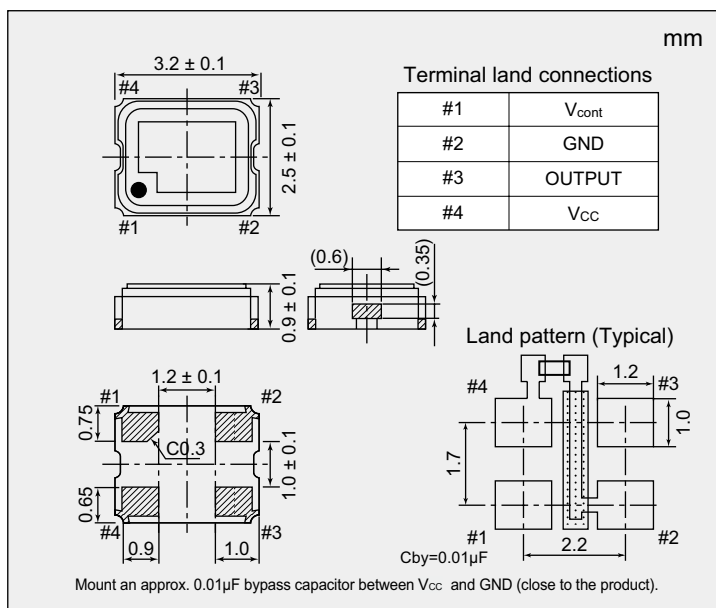
RoHS Compliant
Directive 2011/65/EU

Specifications

| Item | Model | NV3225SA | | | | | | |
|--|---------------------------------|---|-------------|-------------|-------------|-------------|-------------|-------------|
| Nominal frequency (MHz) | | 1.25 ≤ F < 10 | 10 ≤ F < 20 | 20 ≤ F < 30 | 30 ≤ F ≤ 40 | 40 < F < 50 | 50 ≤ F ≤ 65 | 65 < F ≤ 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 | | 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/>)