

## NV5032SC

Low Phase Noise Type  
Voltage Controlled Crystal Oscillator (VCXO)

### Main Application

For communication equipment for ISDN, SDH/SONET, WiMAX, etc. and Base-stations

### Features

- Dimensions: 5.0x3.2mm
- Package: Ceramics
- Low phase noise: Typ. -127dBc/Hz (@1kHz) , Typ. -156dBc/Hz (@100kHz)  
in case of 122.88MHz
- Low phase jitter: Typ. 0.13ps (12kHz to 20MHz) in case of 122.88MHz
- Low current consumption: Typ. 46mA in case of 122.88MHz
- Frequency Range : 100MHz to 200MHz
- Output level: LVPECL



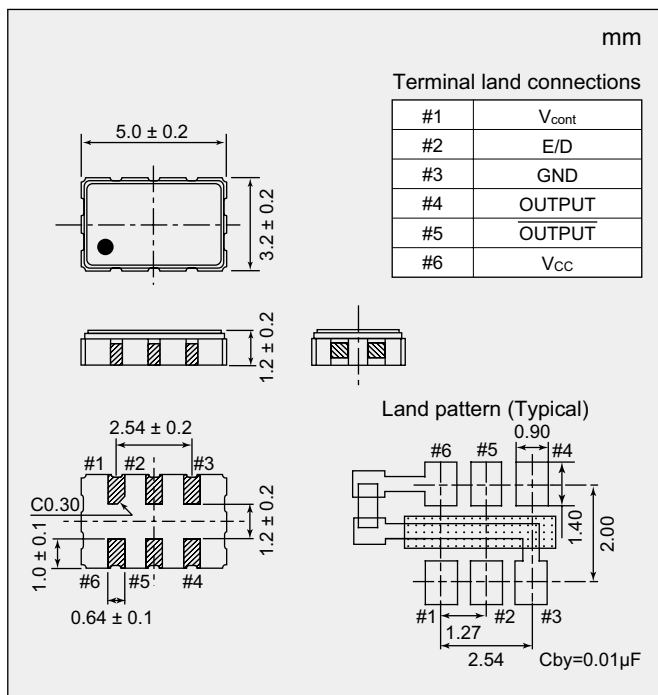
Pb Free

RoHS Compliant  
Directive 2011/65/EU

### Specifications

Item	Model	NV5032SC
Nominal Frequency Range (MHz)		100 ≤ F ≤ 200
Standard Frequency (MHz)		122.88, 153.6
Supply Voltage[V <sub>CC</sub> ] (V)		+3.3 ± 10 %
Current Consumption (mA)		Max. 65
Output Level		LVPECL
Symmetry (%)		45 to 55 (V <sub>CC</sub> -1.3V)
Output Load Condition (Ω)		50 (V <sub>CC</sub> -2.0V)
Operating Temperature Range (°C)		-40 to +85
Storage Temperature Range (°C)		-55 to +125
Overall Frequency Tolerance		Max. ±50 × 10 <sup>-6</sup>
Frequency Control Range / Control Voltage [ V <sub>cont</sub> ]		Min. ±100 × 10 <sup>-6</sup> / +1.65 ± 1.65 V
Phase Jitter [RMS] (ps)		Max. 1 (Typ. 0.13) (12kHz to 20MHz)
Frequency Change Polarity		Positive
Enable / Disable function	Enable Low Level type	Enable High Level type
Specification Number	NSA3613A	NSA3614A

### Dimensions



### List of Enable / Disable function

Enable Low Level type

Input (#2)	Output (#4)	Output (#5)
High Level (Min. 0.7 V <sub>CC</sub> )	Disable (High Level)	Disable (Low Level)
Low Level (Max. 0.3 V <sub>CC</sub> ) or Open	Enable	Enable

Enable High Level type

Input (#2)	Output (#4)	Output (#5)
High Level (Min. 0.7 V <sub>CC</sub> ) or Open	Enable	Enable
Low Level (Max. 0.3 V <sub>CC</sub> )	Disable (High Level)	Disable (Low Level)

### Reference Value

Phase noise (at 122.88MHz)	Offset Frequency	dBc / Hz
	10Hz	Typ. -70
	100Hz	Typ. -100
	1kHz	Typ. -127
	10kHz	Typ. -148
	100kHz	Typ. -156
1MHz	Typ. -156	

Please specify the model name, frequency, and specification number when you order products.  
For further questions regarding specifications, please feel free to contact us.