Crystal Oscillator

NDK Crystal Bridge to the Future

NV5032SA

Voltage Controlled Crystal Oscillator (VCXO)

■ Main Application

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



■ Features

- A small ceramics-package.(Dimensions : 5.0×3.2mm)
- Output Specification : CMOS
- Frequency range : 62MHz to 170MHz
- Low current consumption : Max. 35mA

Pb Free

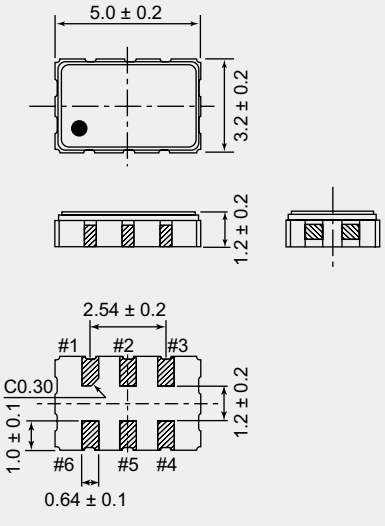
RoHS Compliant Directive 2011/65/EU

■ Specifications

Item \ Model	NV5032SA
Nominal Frequency Range (MHz)	62 to 170
Standard Frequency (MHz)	100, 122.88, 125, 153.6
Supply Voltage [V_{CC}] (V)	+3.3 ±10 %
Current Consumption (mA)	Max. 35
Output Specification	CMOS
Symmetry (%)	45 to 55 (1/2 V_{CC})
Output Load Condition (pF)	15
Operating Temperature Range (°C)	−40 to +85
Storage Temperature Range (°C)	−55 to +125
Overall Frequency Tolerance	Max. ±50 × 10^{-6}
Frequency Control Range / Control Voltage [V_{cont}]	Min. ±100 × 10^{-6} / +1.65 ± 1.65 V
Frequency Change Polarity	Positive
Specification Number	NSA3621A

■ Dimensions

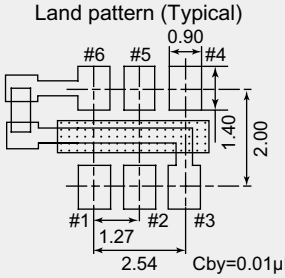
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Terminal land connections

#1	V_{cont}
#2	STAND-BY
#3	GND
#4	OUTPUT
#5	NC
#6	V_{CC}

Land pattern (Typical)



■ List of Stand-by function

Input (#2)	Output (#4)
High Level (Min. 0.7 V_{CC}) or OPEN	Output
Low Level (Max. 0.3 V_{CC})	Hi-Impedance

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