

NV7050SA

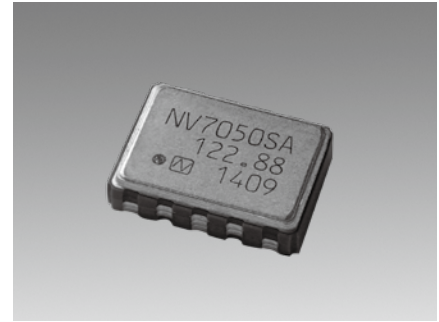
Wide Temperature Range Low Phase Noise Type
Voltage Controlled Crystal Oscillator(VCXO)

Main Application

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

Features

- Supports a wide temperature range from -40 to $+105^{\circ}\text{C}$.
- Dimensions: 7.0x5.0mm
- 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 : 122.88MHz
- Output level: LVPECL



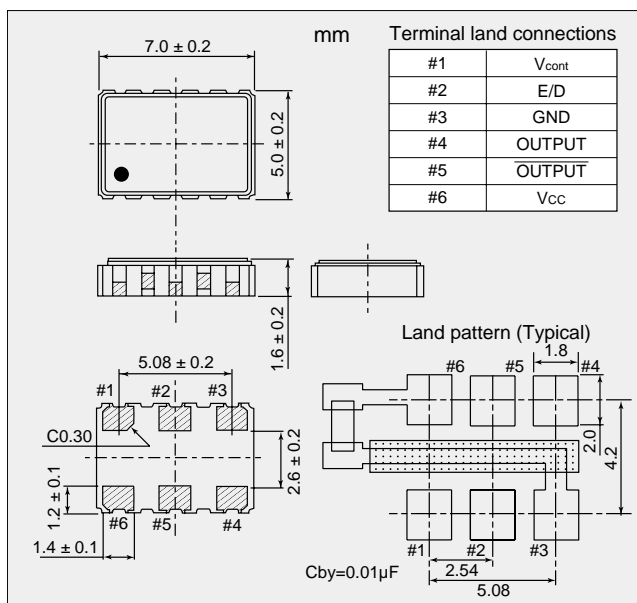
Pb Free

RoHS Compliant
Directive 2011/65/EU

Specifications

Item	Model	NV7050SA
Standard Frequency (MHz)		122.88
Supply Voltage [V _{CC}] (V)		$+3.3 \pm 10\%$
Current Consumption (mA)		Max. 65
Output Level		LVPECL
Symmetry (%)		45 to 55 (V _{CC} -1.3V)
Output Load Condition (Ω)		50 (V _{CC} -2.0V)
Operating Temperature Range ($^{\circ}\text{C}$)		-40 to $+105$
Storage Temperature Range ($^{\circ}\text{C}$)		-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
Enable / Disable function	Enable Low Level Type	Enable High Level Type
Specification Number	NSC5077A	NSC5078A

Dimensions



List of Enable / Disable function

Enable Low Level Type

Input (#2)	Output (#4)	Output (#5)
High Level (Min. 0.7 V _{CC})	Disable	Disable
Low Level (Max. 0.3 V _{CC}) or OPEN	Enable	Enable

Enable High Level Type

Input (#2)	Output (#4)	Output (#5)
High Level (Min. 0.7 V _{CC}) or OPEN	Enable	Enable
Low Level (Max. 0.3 V _{CC})	Disable	Disable

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