

Crystal Oscillator

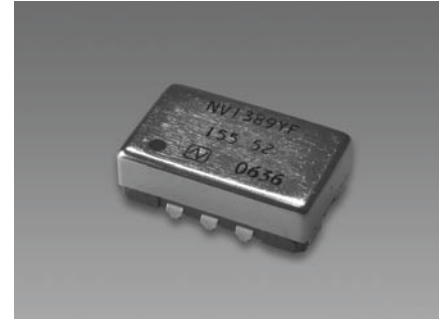
Model Name NV13M08Y Voltage-Controlled Crystal Oscillator (VCXO) NV13M08Y Series

■ Main Application

For SONET-, SDH-, and GbEthernet-related equipment

■ Features

- A compact and high-frequency SMD-VCXO.
- A surface-mount crystal oscillator.
- Automatic mounting by taping is possible.
- Supports reflow soldering.
- Lead-free.
- Compliant to RoHS Directives.

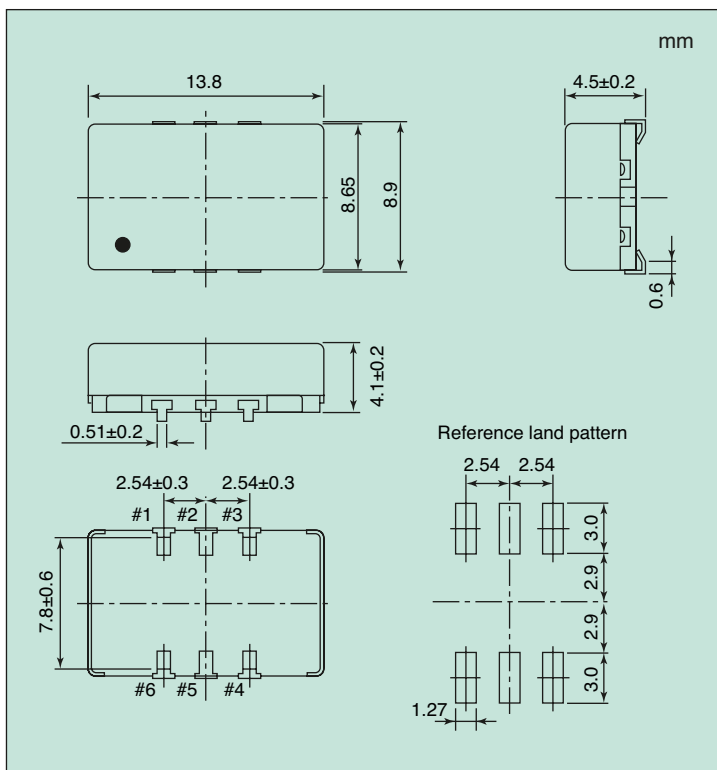


RoHS Compliant
Directive 2002/95/EC

■ Specifications

Item	Model	NV13M08YD	NV13M08YG	NV13M08YE	NV13M08YH	NV13M08YF	NV13M08YJ	
Nominal frequency range (MHz)		2 to 100				70 to 185		
Power supply voltage		+5V DC±5%			+3.3V DC±5%			
Load		15pF				50Ω		
Operating temperature range		-40 to +85°C						
Consumption current		40mA max		30mA max		100mA max		
Output level		C-MOS level				PECL level (Complementary)		
Duty cycle		45 to 55% (1/2 Vcc level)				45 to 55% (50% Waveform)		
Comprehensive frequency stability		±50×10 ⁻⁶ max						
Frequency control characteristic		±100×10 ⁻⁶ min (2.5±2.0V)		±100×10 ⁻⁶ min (1.65±1.5V)		±100×10 ⁻⁶ min (1.65±1.5V)		
Control polarity		Positive						
Standby function or E/D function		None	Available	None	Available	None	Available	

■ Dimensions



■ List of Ordering Codes

Model Name and Classification	Frequency (MHz)	Ordering Code
NV13M08YD	2 to 100	NV13M08YD-[] JM-NSA3323D
NV13M08YG	2 to 100	NV13M08YG-[] JM-NSA3323G
NV13M08YE	2 to 100	NV13M08YE-[] JM-NSA3323E
NV13M08YH	2 to 100	NV13M08YH-[] JM-NSA3323H
NV13M08YF	70 to 185	NV13M08YF-[] JM-NSA3323F
NV13M08YJ	70 to 185	NV13M08YJ-[] JM-NSA3323J

Specify a frequency in the square brackets.

Specify the frequency in up to seven digits (the decimal point is not included) and omit zeros after the decimal point.

PAD No.	Connection	
	(CMOS)	(PECL)
#1	V.C.	V.C.
#2	N.C. or STAND-BY	N.C. or E/D
#3	GND	GND
#4	OUTPUT	OUTPUT
#5	N.C.	OUTPUT
#6	+DC	+DC