

Crystal Oscillator

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

Main Application

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

Features

- CMOS output: 2 to 100 MHz; LVPECL output: 70 to 185 MHz.
- A surface-mount crystal oscillator.
- Complies with the RoHS Directive.

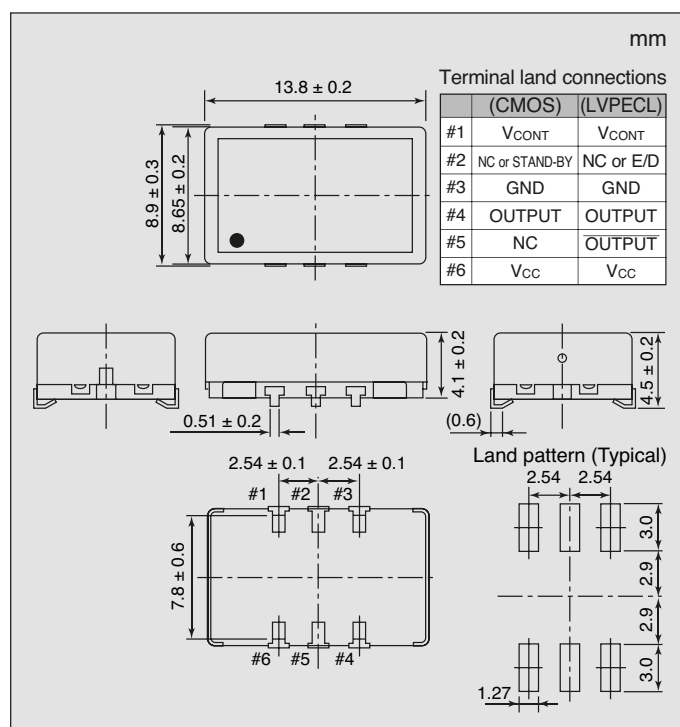


RoHS Compliant
Directive 2002/95/EC

Specifications

Item	Model	NV13M08YD	NV13M08YG	NV13M08YE	NV13M08YH	NV13M08YF	NV13M08YJ
Nominal frequency range (MHz)		2 to 100				70 to 185	
Supply voltage [V _{CC}] (V)		+5 ± 5 %		+3.3 ± 5 %			
Current consumption (mA)		Max. 40		Max. 30		Max. 100	
Output voltage		CMOS				LVPECL (Complementary)	
Symmetry (%)		45 to 55 (1/2 V _{CC})				45 to 55 (V _{CC} - 1.3 V)	
Output load condition (CMOS/LVPECL)		15 pF				50 Ω (V _{CC} - 2.0 V)	
Operating temperature range (°C)		-40 to +85					
Overall frequency tolerance		Max. ±50 × 10 ⁻⁶					
Frequency control range		Min. ±100 × 10 ⁻⁶ / +2.5 ± 2.0 V		Min. ±100 × 10 ⁻⁶ / +1.65 ± 1.5 V			
Frequency change polarity		Positive					
Stand-by function or Enable/Disable 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.