Crystal Oscillator

Specification Number

14.3±0.3 #1 #2 #3 9.4±0.3 #4 #5 #6 6.5±0.3 B 4.6 Ø 2.54±0.1 | 2.54±0.1 #2 #3 6.4±0.2 #6 #5 #4

Reference Value

Phase Noise

(at 10 MHz)

Please specify the model name, frequency, and specification number when

you order products. For further questions regarding specifications, please feel free to contact us.

Offset

Frequency

1 Hz

10 Hz

100 Hz

1 kHz

10 kHz

NIHON DEMPA KOGYO CO., LTD.

- Base stations for system mobile communications Optical transmission system
- Measuring instrument • Synthesizer Exchanger

Features

- · Compact and excellent temperature characteristics.
- Excellent long-term frequency stability.
- Excellent phase noise characteristics.
- Hermetic sealing package for excellent environmental-proof performance. RoHS Compliant
- Supports wide temperature range (-40 to +85 °C)

Specifications

	Model			
Item Mea	NH14M09TA			
Nominal Frequency Range (MHz)	5 to 40			
Nominal Frequency (MHz)	10, 12.8, 13, 16.384, 19.2, 20, 25, 26, 30.72, 38.4, 38.88, 40			
Supply Voltage [Vcc] (V)	+3.3 ±5 %			
	at start	Typ. 1.3 (Max. 2.0)		
Power Consumption (W)	when stable (+25 °C)	Typ. 0.6 (Max. 1.0)		
Output Voltage	LVCMOS (Vol Max. 0.3 V, VoH Min. 3 V)			
Symmetry (%)	at 1/2 Vcc	45 to 55		
Load Impedance (pF)	15			
Operating Temperature Range (°	-20 to +70	-40 to +85	-40 to +85	
Storage Temperature Range (°C)	-40 to +85			
Stabilization Time	Stabilization Time (Frequency Stability) within $\pm 100 \times 10^{-9}$ after power on at $\pm 25^{\circ}$ C, based on frequency after 60minutes operation.	Max. 3 minutes		
Long term Frequency Stability	Based on frequency after 30 days operation	Max. ±5×10 ⁻⁹ /day		
Long-term Frequency Stability	Based on frequency after 30 days operation	Max. ±300×10-9/year		
Frequency/Temperature Character	Max. ±10×10-9	Max. ±10×10-9	Max. ±20×10-9	
Frequency/Voltage Coefficient	Vcc +3.3 V ±5 %	Typ. ±5×10 ⁻⁹ (Max. ±10×10 ⁻⁹)		
Frequency Control Range	V _{cont} +0.2 V to +2.8 V (@ +1.5V)	Min. ±5.0×10 ⁻⁶		
Fraguency Change Polarity	Frequency Change Polarity	Positive		
Frequency Change Polarity	Linearity	Тур. 1%		
Specification Number	NSA3540F	NSA3540E	NSC5070A	

mm

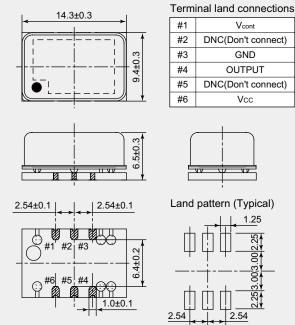
NH14M09TA

High-end router

Free

Directive 2011/65/EU

Dimensions







dBc/Hz

-75

-100

-125

-150

-160