

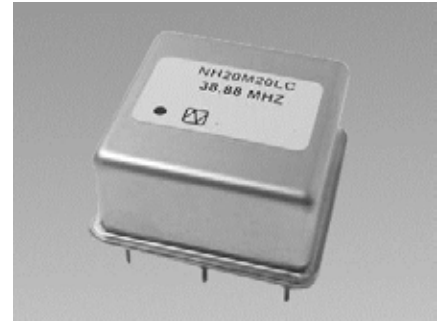
NH20M20LC Oven Controlled Crystal Oscillator (OCXO) for Fixed Communication Equipment

Main Application

- Base stations for system mobile communications
- High-end router
- Synthesizer
- Measuring instrument
- Exchanger

Features

- Compact, with a low height.
- Excellent rise characteristics.
- Excellent phase noise characteristics.



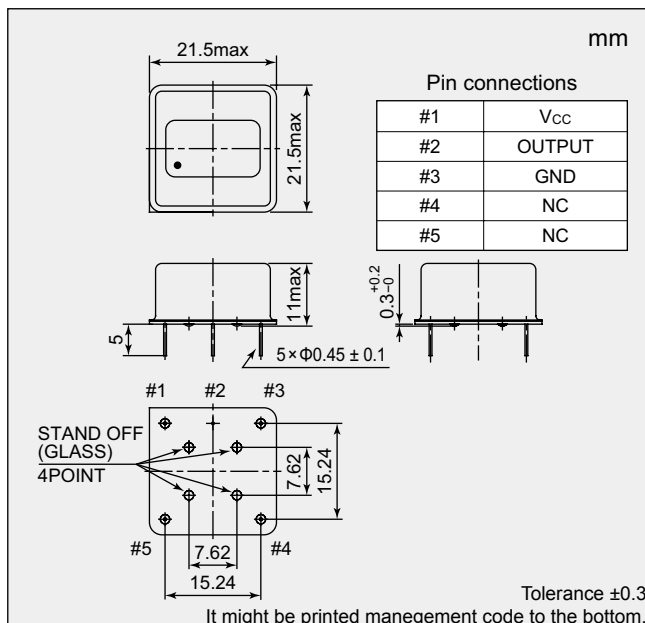
Pb Free

RoHS Compliant
Directive 2011/65/EU

Specifications

Item	Model	NH20M20LC
Nominal Frequency f_{nom} (MHz)		38.88
Supply Voltage V_{CC} (V)		+5
Load Impedance C_L (pF)		15
Operating Temperature Range T_{opr} (°C)		-20 to +70
Storage Temperature Range T_{str} (°C)		-40 to +85
Power Consumption P_{CC} (W)	at start	Max. 3.0
	when stable, at +25°C	Max. 1.5
Frequency Tolerance $\Delta f/f_{nom}$	at +25°C, V_{cont} = Center, before shipment	Max. 500×10^{-9}
Frequency/Temperature Characteristics $\Delta f/f$	at Operating Temperature Range	Max. $\pm 200 \times 10^{-9}$
Frequency/Voltage Coefficient $\Delta f/f$	$V_{CC} \pm 5\%$	Max. $\pm 50 \times 10^{-9}$
Long-term Frequency Stability $\Delta f/f$	Based on frequency after 30 days operation	Max. $\pm 10 \times 10^{-9}$ / day
		Max. $\pm 500 \times 10^{-9}$ / year
Stabilization Time (min.)	Time within specified frequency tolerance after power on at +25°C, based on frequency after 60minutes operation.	Max. 3 / within $\pm 500 \times 10^{-9}$
Output Voltage		HCMOS V_{OL} : Max. +0.5 V V_{OH} : Min. +4.5 V
Symmetry (%)	at $(V_{OH} + V_{OL}) / 2$	40 to 60
Specification Number		NSA3604A

Dimensions



Reference Value

	Offset Frequency	dBc/Hz
Phase Noise (at 38.88 MHz)	1 Hz	Typ. -70
	10 Hz	Typ. -100
	100 Hz	Typ. -130
	1 kHz	Typ. -145
	10 kHz	Typ. -145

We offer dedicated tool for evaluation of this product

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