

NH26M26LC

Oven Controlled Crystal Oscillator (OCXO)
for Fixed Communication Equipment

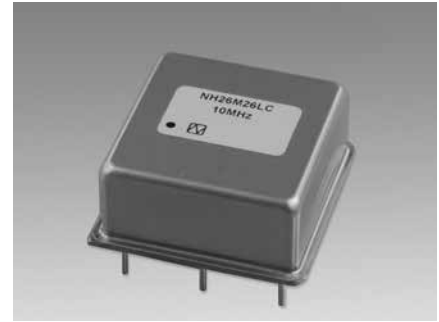
Main Application

- Mobile phone base station(5G CU, 4G BBU)
- IEEE1588, synchronous Ethernet clock (SyncE) •Optical transmission system
Stratum 3E • Synthesizer • Timing and synchronization measuring equipment
- GNSS-DO • Audio

Features

- Compact, with a low height.
- Excellent rise characteristics.
- Excellent phase noise characteristics.
- Excellent long-term frequency stability.

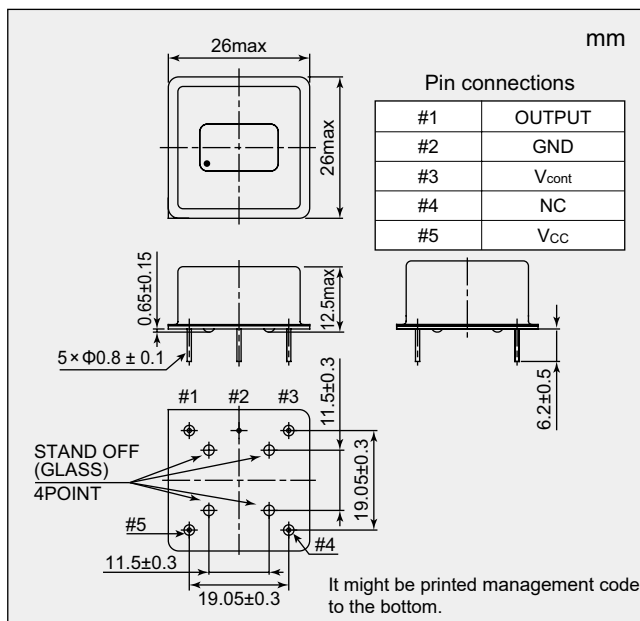
RoHS Compliant
Directive 2011/65/EU
Directive (EU) 2015/863



Specifications

Item	Model	NH26M26LC	
Nominal Frequency f_{nom} (MHz)		10	
Supply Voltage V_{CC} (V)		+5	
Load Impedance C_L (pF)		15	
Operating Temperature Range T_{opr} (°C)		-20 to +70	-40 to +85
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. 1.3	
Frequency Tolerance $\Delta f/f_{nom}$	at +25°C, V_{cont} = Center, before shipment	Max. $\pm 200 \times 10^{-9}$	
Frequency/Temperature Characteristics $\Delta f/f$	at Operating Temperature Range	Max. $\pm 10 \times 10^{-9}$	
Frequency/Voltage Coefficient $\Delta f/f$	$V_{CC} \pm 5\%$	Max. $\pm 3 \times 10^{-9}$	
Long-term Frequency Stability $\Delta f/f$	Based on frequency after 30 days operation	Max. $\pm 2 \times 10^{-9}$ / day	
		Max. $\pm 50 \times 10^{-9}$ / year	
Stabilization Time (min.)	Time within specified frequency tolerance after power on at +25°C, based on frequency after 60minutes operation.	Max. 3 / within $\pm 50 \times 10^{-9}$	Max. 5 / within $\pm 50 \times 10^{-9}$
Frequency Control Range $\Delta f/f$		$V_{cont} = +2V \pm 2V$	$V_{cont} = +2V \pm 2V$
		Min. $\pm 1 \times 10^{-6}$	Min. $\pm 0.8 \times 10^{-6}$
Frequency Change Polarity		Positive	
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	
Rise Time / Fall Time t_r / t_f (ns)		Max. 10	
Specification Number		NSA3539A	NSA3539B

Dimensions



Reference Value

Phase Noise (at 10 MHz)	Offset Frequency	dBc/Hz
	1 Hz	Typ. -100
	10 Hz	Typ. -125
	100 Hz	Typ. -142
	1 kHz	Typ. -151
10 kHz	Typ. -152	

We offer dedicated tool (charge) 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.