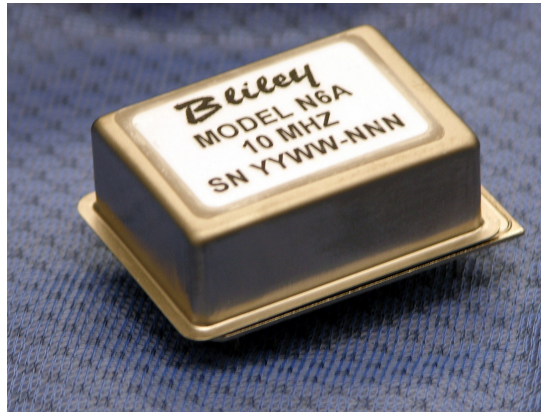


### Description:

Bliley N6A OCXO offers Frequency vs. Temperature Stability as low as  $\pm 5$ ppb. This coupled with an extremely attractive sell price makes an outstanding combination

This series of OCXOs is well suited for network, timing, and general precision applications.



### Features:

- Available with +5VDC or +12VDC input supply voltage.
- HCMOS, LVCMOS, or Sinewave output available.
- Frequency vs. Temp Stability as low as  $\pm 5$ ppb
- RoHS 5

### Phase Noise:

Frequency Offset	Option B Square Wave	Option D Square Wave
1 Hz	-80 dBc/Hz	-80 dBc/Hz
10 Hz	-120 dBc/Hz	-120 dBc/Hz
100 Hz	-138 dBc/Hz	-140 dBc/Hz
1 KHz	-145 dBc/Hz	-145 dBc/Hz
10 KHz	-150 dBc/Hz	-150 dBc/Hz
100KHz	-150 dBc/Hz	-150 dBc/Hz

### Supply Voltage & Power Consumption:

Supply Voltage	5V +/-5%	12V +/-5%
Power Consumption	4.0W Startup Power 1.5W Steady State	7.2W Startup Power 3.0W Steady State
Product Code	<b>D</b>	<b>E</b>

### Output Waveform:

HCMOS Type 4	LVCMOS Type 3	Sinewave Type 1
Level "0": 0.5 V max Level "1": 4.3 V min	Level "0": 0.3V max Level "1": 2.8V min	7 dBm +/-2 dBm
< 6 nsec Rise/Fall Time	< 6 nsec Rise/Fall Time	Harmonics -40dBc Spurious -80dBc
50 +/- 5% Duty Cycle	50 +/- 5% Duty Cycle	50Ω
5V Supply Only	12V Supply Only	5V or 12V

### Output Frequency:

Frequency Range
Frequency 10MHz Coded 10M

### Operating Temperature and Frequency Stability:

Temperature Range Code	Operating Temperature	Stability Code +/- 5 ppb	Stability Code +/- 15 ppb
<b>3</b>	-20 to +70°C	<b>A</b>	<b>N/A</b>
<b>5</b>	-40 to +85°C	<b>N/A</b>	<b>C</b>

### Pulling Range (Positive Slope):

Supply 5Vdc & 12Vdc	Tuning Range (0V to 5 on Vcontrol)	0.8 ppm +/-0.4
Product Code	<b>G</b>	

### Aging: (typical at 10 MHz after 30 days continuous operation)

Frequency	Timeframe	Aging
10 MHz	1 Year	Less than .1ppm

### Ordering Options:

Model #	Phase Noise	Operating Temp	Freq vs. Temp Stability	Supply Volt	Output Type	EFC	Frequency
N6A	<b>B</b>	<b>3</b>	<b>A</b>	<b>D</b>	<b>1</b>	<b>G</b>	<b>10M</b>
	<b>D</b>	<b>5</b>	<b>C</b>	<b>E</b>	<b>3</b>		
					<b>4</b>		

### Part number format N6A-LNL-LNL-10M

#### PIN CONNECTIONS

1. VOLTAGE CONTROL
2. N/C
3. +VDC
4. R.F. OUTPUT
5. R.F. & CASE GROUND

