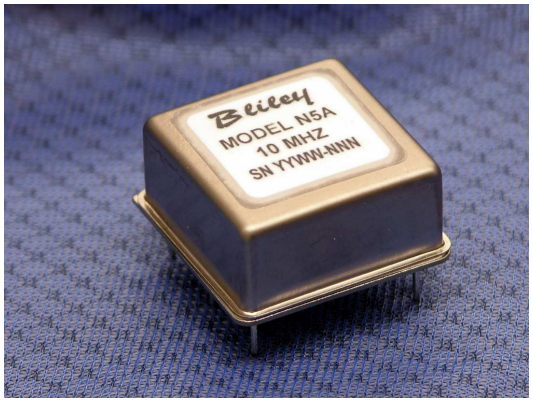
Model N5A OCXO

Description:

The N5A Series OCXO offer User CMOS or Sinewave Output options in an industry Standard 25mm square Package. These devices offer Excellent price vs. performance value.

These OCXO are well suited for network, timing, and general precision applications.



Features:

- Available with CMOS or sinewave output
- Excellent frequency vs. temperature stability
- Supply voltage of +3.3VDC or +5VDC is available
- EFC for precision frequeny setting
- RoHS 5

Phase Noise:

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

Supply Voltage & Power Consumption:

Supply Voltage	3.3V +/-5%	5V +/-5%
Power Consumption	3.3W Startup Power 1.3W Steady State	3.0W Startup Power 1.3W Steady State
Product Code	**C**	**D**

Output Waveform:

HCMOS Type 4	LVCMOS Type 3	Sinewave Type 1	
5V Supply Only	3.3V Supply Only	5V Supply	3.3V Supply
Level "0": 0.3 V max Level "1": 3.0 V min	Level"0":0.3V max Level"1": 2.8V min	7 dBm +/-2 dBm	5dbm +/-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	

Output Frequency:

Frequency Range
Frequency 10MHz Coded 10M

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Operating Temperature and Frequency Stability:

Temperature Range Code	Operating Temperature	**Stability Code** +/- 10 ppb	**Stability Code** +/- 15 ppb
3	-20 to +70°C	**B**	**N/A**
5	-40 to +85°C	**N/A**	**C**

Pulling Range (Positive Slope):

Supply 5VDc	Tuning Range (0V to 4V on Vcontrol)	2.4ppm
	Product Code	**Option C**
Supply 3.3VDc	Tuning Range (0 to 3.3V on Vcontrol)	2.4ppm
	Product Code	**Option 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
N5A	**A**	**3**	**B**	**C**	**1**	**C**	**10M**
		5	**C**	**D**	**3**	**B**	
					4		

Part number format N5A-LNL-LNL-10M