

Dynamic Engineers Inc.

2550 Gray Falls Dr., Suite#128, Houston, TX, 77077 USA TEL: 1-281-870-8822 EMAIL: Sales@DynamicEng.com

MD240005-1

Drawing No:

Features and Benefits

Frequency range: 32.768KHz Supply voltage: 3.3V Steady current: 20-40uA Output waveform: CMOS Frequency stability vs. operating temperature: ±175PPM Operating temperature: -55°C to +200°C Size: 7.2x5.2x2.16mm

Typical Applications

SatCom Test equipment Network clock Base station

Description

The XO7500BC-HT-32.768KHz-A is designed for applications where exceptional frequency stability and timing is required. It has both excellent temperature performance and short-term stability. These characteristics make it an excellent choice for timing applications.

Mechanical Drawing & Pin Connections



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Rev. 1

Dynamic Engineers reserves the right to make changes to the company datasheet(s) along with other information contained inside; such as data tables and araphs without notification to potential customers who may have earlier revisions in their possession.



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Specifications

Oscillator Specification	Sym	Condition	Value			1 Jun St	Nete	
			Min.	Тур.	Max.	Unit	Note	
Frequency Range	Fnom		32.768			KHz		
RF Output								
Signal Waveform			CMOS					
Load			15		рF			
Power Supply								
Voltage Supply	Vcc	+/-10%		3.3		V		
Current (3.3V & at +25°C)			20 μA (<10 μA in disabled					
			mode)					
Current (3.3V & at +200°C)			40 μA (<10 μA in disabled					
			mode)					
Oscillator Enable			Open or Logic "1"					
Frequency Stability								
Versus Temperature		-40°C to +200°C		±175		ppm		
Environmental, Mechanical Conditions								
Operation Temperature	-55°C to + 200°C							
Storage Temperature	+ 225°C							
Operation Life	1000 Hour	1000 Hours at +200°C min						