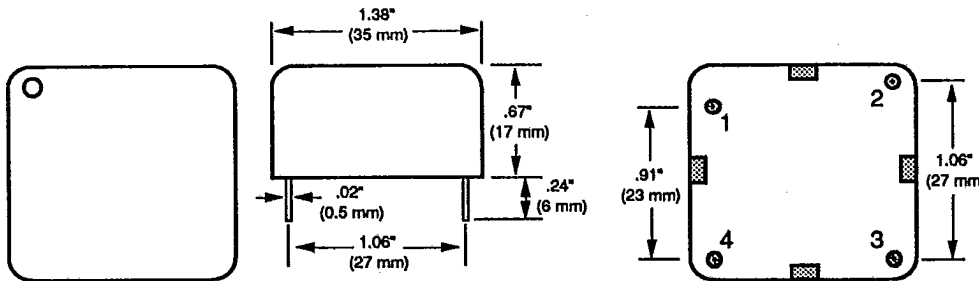


DCXO / DIGITALLY COMPENSATED CRYSTAL OSCILLATOR

T-50-23

**Preliminary Release of
New Products for 88/89**

The Digitally Compensated Crystal Oscillator provides the ultra precise frequency source needed in applications such as data transmission between main frame computers, satellite transmissions, etc.



FEATURES

- Adjustable to 0 PPM
- Stabilities to ± 0.1 PPM
- Low Current Consumption
- Excellent Aging Characteristics

Pin Connections

- #1 GND #2 GND
- #4 +5VDC #3 Output

SPECIFICATIONS

Frequency Range	.100 - 20 MHz		
Frequency Stability	Option A	Option B	Option C
vs Temp. (MAX)	± 0.1 PPM	± 0.25 PPM	± 0.5 PPM
vs Vcc (MAX)	± 0.1 PPM	± 0.1 PPM	± 0.1 PPM
vs Aging/1 Yr. (MAX)	± 0.3 PPM	± 0.5 PPM	± 0.5 PPM
Frequency Adjust Range	± 0.7 PPM	± 1.0 PPM	± 1.5 PPM
Operating Temperature Range	0 to +70°C		
Storage Temperature Range	-30°C to + 85°C		
Input Voltage	+5 VDC $\pm 5\%$		
Input Current	20 mA (MAX)		
Output	Square Wave		
TTL Output : Symmetry @ 1.4V	40/60% (MAX)		
Logic '0' Level	0.4V (MAX)		
Logic '1' Level	2.4V (MIN)		
Output Load	2 N-TTL		

STANDARD FREQUENCIES

5.000MHz	10.000MHz	20.000MHz
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Note: Cycling Vcc on and off can adversely affect this unit. Allow 5 seconds in off state before turning on.

All specifications subject to change without notice.

10/15/88