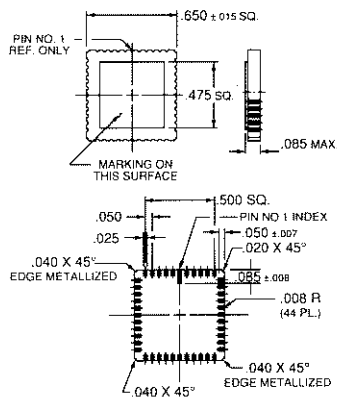
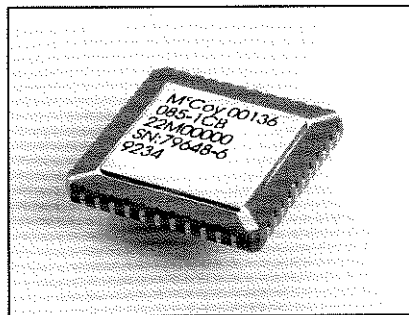


Vectron International  
 100 Watts Street  
 Mt. Holly Springs, PA 17065

## 40 kHz to 60 MHz, TTL Oscillator Model 085

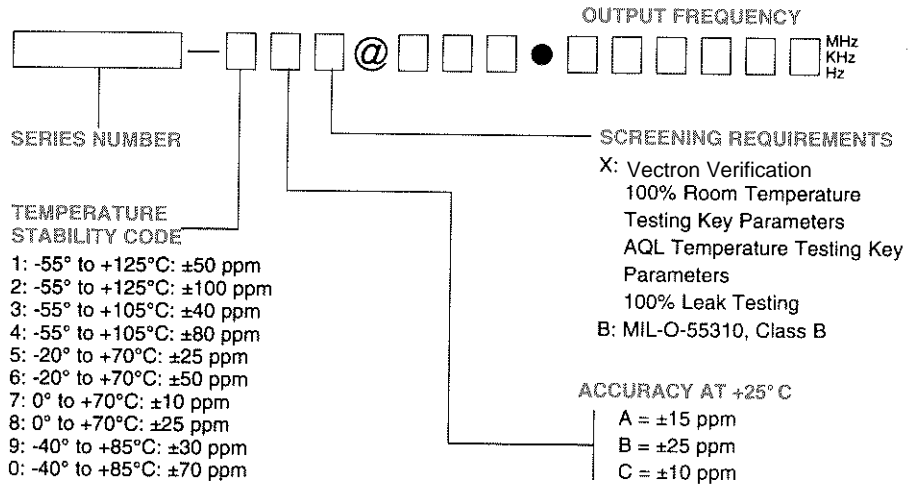
PIN NO.	FUNCTION
6, 12	VCC
34, 40	GND
42	OUTPUT
All other Pins, N.C.*	

- Surface mount 44 pad leadless chip carrier
- Generic equivalent of MIL-O-55310/20
- Available in J lead configurations
- Spectrum equivalent #7120



Frequency Range	Input Current at 5.25 V	Rise & Fall Time (.8 and 2.0 V)	Duty Cycle @ 1.4 V	Unit Loads
	mA	ns	percent	max
40 kHz to 12.0 MHz	40	15	45 to 55	10TTL
>12.0 to 32.0 MHz	40	5	40 to 60	10TTL
>32.0 to 60.0 MHz	60	5	40 to 60	10TTL

## ORDERING INFORMATION (HOW TO SPECIFY CLOCK OSCILLATORS)



**Example:**

741-1AB @ 10.000000 MHz  
 This is a series 741, 14 Pin DIP Oscillator, with an output frequency of 10.000000 MHz, temperature stability of ±50 ppm over -55°C to +125°C, initial accuracy of ±15 ppm, and tested to Class B of MIL-O-55310.

STANDARD ENVIRONMENTALS	
Vibration	MIL-STD-202, Method 204, Condition G (30 G, 10 Hz-2000Hz)
Shock	MIL-STD-202, Method 213, Condition I (100 G, 6 MS, Sawtooth)
Acceleration	MIL-STD-883, Method 2001, Condition A (5000 G's, Y1 Plane)
Temperature Cycling	MIL-STD-883, Method 1010, Condition B
Thermal Shock	MIL-STD-883, Method 107, Condition B
Solderability	MIL-STD-202, Method 208
Leak Test (Fine & Gross)	MIL-STD-883, Method 1014, Condition A1 & C1

**Aging**

Vectron Clock oscillators have aging of  
 +5 ppm the first year and +3 ppm per year thereafter.

**START UP TIME**

10 ms max

Vectron can assign a unique part number to meet your requirements.  
 Contact factory for special requirements and other options not  
 found on standard parts.