

MILITARY CLOCK OSCILLATOR



**Sokol
Crystal Products, Inc.**

"Where the Impossible Becomes the Ordinary."

Specifications

Frequency Range (100 KHz to 140 MHz) _____

Output TTL and Cmos Compatible

Operating Temp. Range Option _____

OPTION	TEMP. RANGE	PPM	OPTION	TEMP. RANGE	PPM
A	-55°C to +125°C	±100	F	-40°C to + 85°C	± 50
B	-55°C to +105°C	±100	G	+ 0°C to + 70°C	± 50
C	-55°C to +125°C	± 50	H	+ 0°C to + 70°C	± 25
D	-55°C to +105°C	± 50	I	+ 0°C to + 70°C	± 10
E	-40°C to + 85°C	±100			

Storage Temp. Range -55° to +125°C

Duty Cycle Option _____

OPTION	%	LOGIC
1	60/40	Cmos
2	55/45	Cmos

Note: TTL will always be 60/40% (max.)

T-rise, T-fall 10.0 nS (max.) 4 nS (typical)

Voh (min.) TTL = 2.4V Cmos = -0.2V

Vol (max.) TTL = 0.5V Cmos = +0.2V

Supply Current (depend on frequency) _____ mA for _____ MHz
 i.e. 50 mA (max.) for 70 MHz
 i.e. 25 mA (max.) for 25 MHz

Supply Voltage 5.0 vdc (±10%)

Pin Configuration

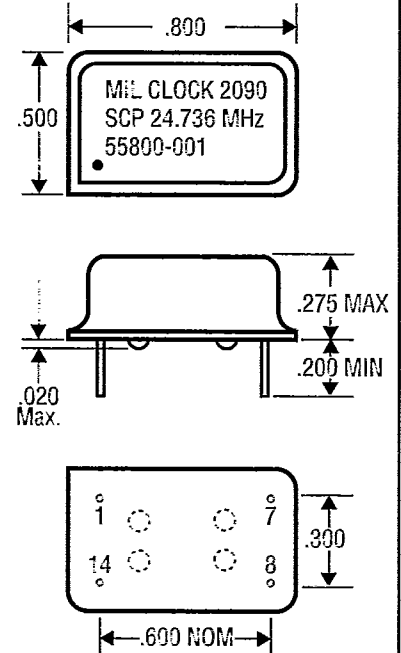
1	N/C or Custom Option
7	Gnd/Case
8	Output
14	Vcc +5 vdc

Available Custom Options

- ___ Enable/Disable
- ___ Dual Output
- ___ Dissimilar Outputs
- ___ Higher Frequency

MIL Standard

- MIL-883 (Test Method)
- MIL-I-45208 (Quality Program)
- MIL-O-55310B (Oscillator)
- MIL-STD-202 (Test Method)
- MIL-C-3098G (Crystal Unit)
- MIL-STD-2000 (Soldering)
- MIL-STD-45662 (Calibration)



Engineering Notes