

Sokol
Crystal Products, Inc.

"Where the Impossible Becomes the Ordinary."

EMITTER COUPLED LOGIC (E.C.L.) CLOCK OSCILLATOR

Specifications

Frequency Range
 10K Series Compatible to 150 MHz: _____
 10KH Series Compatible to 350 MHz: _____
 MECL III Series Compatible to 600 MHz: _____
 New Series Compatible to 1 GHz: _____

Output E.C.L. 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	J	+ 0°C to + 50°C	± 5

Storage Temp. Range -55° to +125°C

Duty Cycle 60/40% (max.), 55/45% (typical)

T-rise, T-fall 2.0 nS (max.), 20% to 80% levels
 2.0 nS (typical), 10K Series
 1.8 nS (typical), 10KH Series

Voh (min.) -0.98V (min.), -0.75V (max.)

Vol (max.) -1.63V (max.), -1.96V (min.)

Supply Current (depend on frequency) 40 mA (typical), 100 mA (max.)

Supply Voltage Option _____

OPTION	VOLTAGE
1	-5.2 vDC (±5%)
2	+5.0 vDC (±5%)

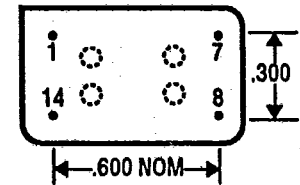
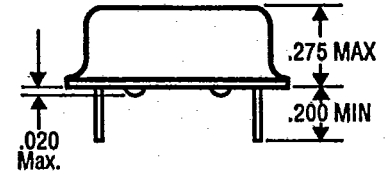
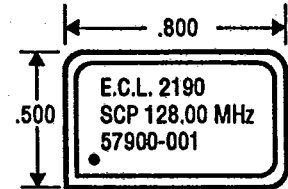
Output Drive Option _____

OPTION	LOAD
1	50 Ohms to -2.0 vDC
2	510 Ohms to -5.2 vDC

Pin Configuration Option _____

OPTION 1 (-5.2 vDC)		OPTION 2 (+5.0 vDC)	
1	N/C or Custom Option	1	N/C or Custom Option
7	-5.2 vDC	7	Gnd/Case
8	Output	8	Output
14	Vcc /Case	14	Vcc +5 vDC

Available Custom Options
 _____ Enable/Disable
 _____ Complimentary Output
 _____ Mil Screening (0-55310B)
 _____ Surface Mount Packaging



Engineering Notes