



## PRODUCTS

Crystal Unit (SMD)

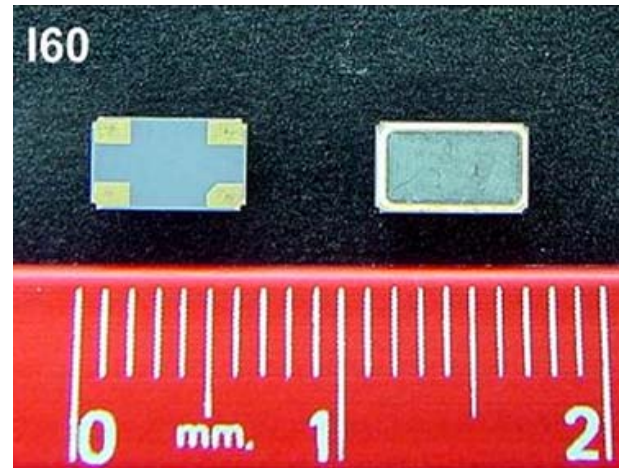
### Typical Applications:

- PCMCIA Cards
- PCs
- Handheld products
- Disc drives

## I60 (Seam Welding Series)

Part Number: I60 (ppm) - Freq - CL

Example: I6030-14.000-18



### ■ Specification

I60

Part No.	Example
I60 (ppm) - Freq - CL	I6030-14.000-18

Specification	I60
Frequency Range	8.0 to 100.0MHz
Mode of Oscillation	Fundamental / 3rd Overtone
Tolerance at 25°C	±10 to ±50ppm
Temperature Stability	±10 to ±30ppm
Operating Temperature Range	-10°C to +70°C / -40°C to +85°C
Load Capacitance	12 to 32pF / Series
Storage Temperature Range	-40°C to +85°C
ESR	* See Table Below
Drive Level	100μW Max.
Aging	±5ppm/year Max.

\* I60 ESR Table

Oscillation Mode	Frequency Range (MHz)	ESR (Ohm)
Fundamental	7.0 to 9.9	100 Max.
	10.0 to 15.9	80 Max.
	16.0 to 40.0	60 Max.
3rd Overtone	30.0 to 49.9	100 Max.
	50.0 to 79.9	90 Max.
	80.0 to 100.0	70 Max.

### ■ Dimension

(Unit: mm)

