



PRODUCTS

Crystal Unit (SMD)

Typical Applications:

- PCMCIA Cards
- W-LAN
- Bluetooth
- Portable Multimedia Devices

I50 (Seam Welding Series)

Part Number: I50 (ppm) - Freq - CL

Example: I510-24.000-18



■ Specification

I50

Part No.	Example
I50 (ppm) - Freq - CL	I5010-24.000-18

Specification	I50
Frequency Range	10.0 to 48.0MHz
Mode of Oscillation	Fundamental
Tolerance at 25°C	±10 to ±50ppm
Temperature Stability	±5 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.

* I50 ESR Table

Oscillation Mode	Frequency Range (MHz)	ESR (Ohm)
Fundamental	10.0 to 11.9	80 Max.
	12.0 to 13.9	60 Max.
	14.0 to 19.9	50 Max.
	20.0 to 48.0	40 Max.

■ Dimension

(Unit: mm)

