



**PRODUCTS**

**Cylindrical Crystal (Through Hole)**

**Typical Applications:**

- Consumer Electronic
- Microcontrollers and Processors

CRYSTAL

# I309

## (Through Hole Cylindrical Crystal Series)

Part Number: I309-Freq-CL

Example: I309-4.000-18



■ Specification		I309
Part No.	Example	
I309-Freq-CL	I309-4.000-18	

Specification	I309
Frequency Range	3.579545 to 70.0MHz
Mode of Oscillation	Fundamental / 3rd Overtone
Tolerance at 25 °C	±30 to ±50ppm
Temperature Stability	±30 to ±50ppm
Operating Temperature Range	-20 °C to +70 °C
Storage Temperature Range	-40 °C to +85 °C
Load Capacitance	12 to 32pF / Series
ESR	* See Table Below
Drive Level	100µW Max.
Aging	±5ppm/year Max.

\* I309 ESR Table :

Oscillation Mode	Frequency Range (MHz)	ESR (Ohm)
Fundamental	3.579545 to 3.9	200 Max.
	4.0 to 5.9	150 Max.
	6.0 to 9.9	100 Max.
	10.0 to 26.9	60 Max.
	27.0 to 30.0	30 Max.
3rd Overtone	30.0 to 70.0	100 Max.

■ Dimension (Unit: mm)

