



PRODUCTS

Cylindrical Crystal (Through Hole)

Typical Applications:

- Consumer Electronic
- Microcontrollers and Processors

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)

