



PRODUCTS

Crystal Unit (SMD)

Typical Applications:

- Set-Top Box
- PCs
- Microcontrollers and Processors
- Consumer Electronic

HC-49/S 4PD (SMD S Series)

Part Number: S-Freq-CL-4PD

Example: S-4.000-18-4PD



HC-49/S 4PD

CRYSTAL

Specification HC-49/S 4PD

Part No.	Example
S-Freq-CL-4PD	S-4.000-18-4PD

Specification	HC-49/S 4PD
Frequency Range	3.5 to 66.0MHz
Mode of Oscillation	Fundamental / 3rd Overtone
Tolerance at 25°C	±10ppm to ±50ppm
Temperature Stability	±10ppm to ±50ppm
Operating Temperature Range	-10°C to +60°C / -40°C to +85°C
Storage Temperature Range	-55°C to +125°C
Load Capacitance	10 to 32pF / Series
ESR	* See Table Below
Drive Level	100µW Max.
Aging	±5ppm/year Max.

* HC-49/S 4PD ESR Table

Oscillation Mode	Frequency Range (MHz)	ESR (Ohm)
Fundamental	3.5 to 3.9	200 Max.
	4.0 to 7.9	150 Max.
	8.0 to 11.9	70 Max.
	12.0 to 23.9	50 Max.
	24.0 to 30.0	40 Max.
3rd Overtone	30.0 to 66.0	80 Max.

Dimension (Unit:mm)

