

石英谐振器 (CRYSTAL)

HC-49/S(SM) TYPE

Parameter	Specification
Frequency Range	3.579 - 50 MHz
Operation Mode	See Operation Mode and ESR Table
Load Capacitance (CL)	20pF Std., >10pF and Series available
Frequency Tolerance (at 25°C)	±30 ppm Std.
Temperature Tolerance	±50 ppm Std.
Operating Temperature	-10 to +60°C Std.
Storage Temperature	-40 to +85°C
Equivalent Series Resistance (ESR)	See Operation Mode and ESR Table
Shunt Capacitance (C0)	7.0pF max.
Drive Level	50uW typical, 1mW max.
Aging (at 25°C)	±5 ppm per year max.

OPERATION MODE AND ESR TABLE

Frequency (MHz)	Mode	ESR (Ohm) max.
3.579 - 3.999	Fundamental	150
4.000 - 4.999	Fundamental	120
5.000 - 5.999	Fundamental	100
6.000 - 7.999	Fundamental	90
8.000 - 9.999	Fundamental	70
10.000 - 11.999	Fundamental	60
12.000 - 14.999	Fundamental	50
15.000 - 19.999	Fundamental	40
20.000 - 27.000	Fundamental	30
24.576 - 47.999	3rd Overtone	80
> 48.000	3rd Overtone	60

