



这类谐振器具有电气性能好、频率公差和温度频差小的优点，广泛用于移动通信、微机、自动控制、各种电话、邮电系统、视听设备(彩电、VCD、DVD等)和各种频率源中。

This type of crystal is excellent in electrical performance and of high accuracy. It's widely used in Mobile Phone, Telephone, Computer, Auto-control system, Post and Telecommunications System, Audio & Video (TV, VCD, and DVD), SET TOP BOX, Walkie-talkie, GPS etc.

### 技术参数 SPECIFICATIONS

频率范围	FREQUENCY RANGE	1.8432~150MHz	
封装盒型	HOLDER TYPES	HC-49U	1.8432~150MHz
		HC-49T	1.8432~125MHz
		HC-49U/S, HC-49U/SS	3.579545~70.000MHz
调整频差	FREQUENCY TOLERANCE (At25°C ± 2°C)	±30ppm(TYPICAL) ±50ppm(TYPICAL)	
温度频差	FREQUENCY STABILITY	±30ppm(TYICAL) ±100ppm(TYICAL)	
工作温度范围	OPERATION TEMPERATURE RANGE	-20°C~+70°C	
储存温度范围	STORAGE TEMPERATURE RANGE	-40°C~+85°C	
老化率	AGING	5PPM/年(YEAR)	
负载电容	LOAD CAPACITANCE	10pF~∞	
静电容	SHUNT CAPACITANCE	<7pF	
谐振电阻	EQUIVALENT SERIES RESISTANCE (ESR)	SEE PAGE 1见下表	
激励电平	DRIVE LEVEL	100; 200; 300; 500/uw	

### 谐振电阻 ESR(MAX)

(Freq.MHz)	OVERTONE	HC-49U or HC-49T	HC-49U/S
标称频率	振动模式		
1.8432-2.000	基频(FUND)	600	
2.00-2.50		400	
2.500-3.000		300	
3.000-3.500		150	
3.500-4.000		100	150
4.000-5.000		90	120
5.000-6.000		80	100
6.000-7.000		70	60
7.000-8.000		50	60
8.000-10.000		40	60
10.000-13.000	25	50	
13.000-35.000	25	40	
25.000-70.000	三倍频(3RD)	40	80
70.000-125.000	五倍频(5TH)	80	
125.000-150.000		100	

### 外观尺寸 DIMENSION(UNIT : MM)

