

HC-49U Crystal



APPLICATIONS

- Multimedia
- RF audio equipment
- Remote control devices

FEATURE

- AT-cut crystal inside
- Anti-EMI design
- High frequency precision

- High frequency stability
- High reliable environmental performance



Electrical Specifications 电气参数

项目	Item/Type	Electrical Specifications
频率范围	Frequency Range	1.8432MHz to 160MHz
调整频差	Frequency Tolerance(ΔF)(at 25°C)	± 10 ppm to ± 30 ppm
温度频差	Frequency Drift	± 10 ppm to ± 30 ppm
工作温度范围	Operating Temperature Range	-20°C ~ +70°C or -40°C ~ +85°C
储存温度范围	Storage Temperature Range	-40°C ~ +85°C
老化	Aging (25°C)	± 3 ppm/year max.
静电容	Shunt Capacitance (C0)	7pF max.
激励功率	Drive Level	100 μ W Typical
绝缘阻抗	Insulation Resistance (Rs)	500 Megaohms min. at D.C 100V
负载电容	Load Capacitance (CL)	12,20pF or specify

Equivalent Series Resistance and Mode of Operation 等效阻抗和振荡模式

Frequency Range 频率范围	ESR (Ω) 等效阻抗	Mode 振荡模式
1.8432-3MHz	350 Ω max.	Fundamental
3-3.5MHz	150 Ω max.	Fundamental
3.5-4MHz	90 Ω max.	Fundamental
4-7MHz	60 Ω max.	Fundamental
7-15MHz	35 Ω max.	Fundamental
15-30MHz	25 Ω max.	3rd overtone
30-75MHz	40 Ω max.	3rd overtone
75-100MHz	60 Ω max.	3rd overtone
70-100MHz	60 Ω max.	5rd overtone
100-125MHz	60 Ω max.	5rd overtone
125-160MHz	60 Ω max.	5rd overtone

Mechanical Dimensions 外型尺寸

Units:mm

