

HC-49S Crystal



APPLICATIONS

- Computers
- Wireless Devices
- 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

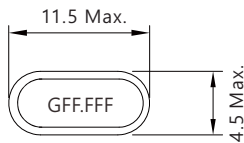
项目	Item/Type	Electrical Specifications
频率范围	Frequency Range	3.2MHz to 100MHz
调整频差	Frequency Tolerance(ΔF)(at 25°C)	$\pm 10\text{ppm}$ to $\pm 30\text{ppm}$
温度频差	Frequency Drift	$\pm 10\text{ppm}$ to $\pm 30\text{ppm}$
工作温度范围	Operating Temperature Range	-20°C ~ +70°C or -40°C ~ +85°C
储存温度范围	Storage Temperature Range	-40°C ~ +85°C
老化	Aging (25°C)	$\pm 3\text{ppm/year max.}$
静电容	Shunt Capacitance (C0)	3pF max.
激励功率	Drive Level	10 μW 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

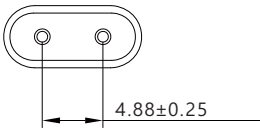
Frequency Range 频率范围	ESR (Ω) 等效阻抗	Mode 振荡模式
3.2-3.79MHz	200 Ω max.	Fundamental
3.8-5MHz	150 Ω max.	Fundamental
5-10MHz	80 Ω max.	Fundamental
10-14MHz	40 Ω max.	Fundamental
14-36MHz	30 Ω max.	Fundamental
27-30MHz	100 Ω max.	3rd overtone
30-50MHz	80 Ω max.	3rd overtone
50-100MHz	60 Ω max.	3rd overtone

Mechanical Dimensions 外型尺寸

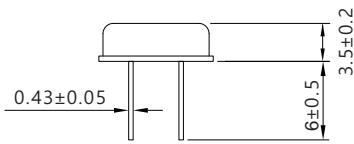
Units:mm



Top View



Bottom View



Side View

