

HC-49U/S Crystal

Part Number Guide

T-M-FF-FFFF-LC-FTFS-OT-ESR-TR-S

T (Type 型号): S=HC-49S, 2 Leads with height of 3.38mm Max
 S2=HC-49S, 2 Leads with height of 2.8mm Max
 S3=HC-49S, 2 Leads with height of 2.5mm Max
 SB=HC-49S, 3 Leads with height of 3.38mm Max
 SB2=HC-49S, 3 Leads with height of 2.8mm Max
 SB3=HC-49S, 3 Leads with height of 2.5mm Max

M (Mode of Operation 振荡模式): F=Fundamental T=Third Overtone, etc
 F (Frequency 标称频率): Normal - 5 digitals of Frequency, e.g., 8.0000M, 12.000M
 Special - All digitals of Frequency, e.g., 13.225625M

LC (Load Capacitance 负载电容): 20-20pF 00series, etc

FT (Frequency Tolerance 调整频率): 30±30 ppm, etc

FS (Frequency Stability 温度频率): 50±50 ppm, etc

OT (Operating Temperature 工作温度): 1000-10°C to +60°C 40B5-40°C to +85°C, etc

ESR (Equivalent Series Resistance 等效阻抗)

TR (Tape and Reel 编带)

S (Special Requirement 特殊要求)

Electrical Specifications 电气参数

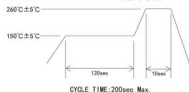
型号	Holder Type	HC-49U/S
频率范围	Frequency Range	3.5700MHz to 130.00MHz 注(See Note)
调整频率	Frequency Tolerance (ΔF) (at 25°C)	±10ppm to ±100ppm
温度频率	Frequency Stability	±10ppm to ±100ppm
工作温度范围	Operating Temperature Range	-10°C ~ +60°C to -40°C ~ +85°C
储存温度范围	Storage Temperature Range	-40°C ~ +85°C / -55°C ~ +125°C
老化	Aging (25°C)	±5ppm/year Maximum
静电容	Shunt Capacitance (CO)	7pF Maximum
激励功率	Drive Level	100µW Typical
绝缘阻抗	Insulation Resistance (Ri)	500 Megaohms Minimum at D.C.100V
负载电容	Load Capacitance (CL)	Suggested by customer

注:Note: for 2.5mm height, lowest frequency is 10 MHz
 for 2.8mm height, lowest frequency is 6 MHz

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
3.5700 - 4.0000MHz	150Max	Fundamental
4.0000 - 5.0000MHz	120Max	Fundamental
5.0000 - 6.0000MHz	100Max	Fundamental
6.0000 - 7.0000MHz	80Max	Fundamental
7.0000 - 10.000MHz	60Max	Fundamental
10.000 - 14.000MHz	50Max	Fundamental
14.000 - 20.000MHz	40Max	Fundamental
≥20.000MHz	30/40 (BT cut) Max	Fundamental
24.000 - 35.000MHz	100Max	Third Overtone
≥35.000MHz	80Max	Third Overtone

Reflow Condition 回流焊条件

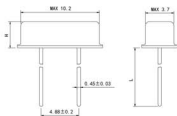


Pb Free

RoHS Compliant
Directive 2002/95/EC

Mechanical Dimensions 外型尺寸

S: TWO LEADS (两引线) UNIT (单位): mm (毫米)



SB: THREE LEADS (三引线) UNIT (单位): mm (毫米)

