

HC-49U/S Crystal

•Part Number Guide

DX-T-F-LC-OT

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 00=series, etc

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

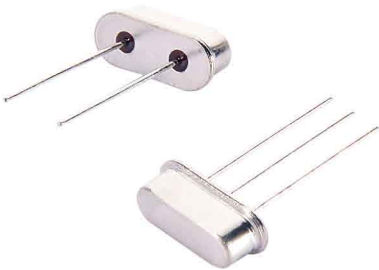
FS (Frequency Stability温度频差) : 50=±50 ppm, etc

OT (Operating Temperature工作温度) : 1060=-10℃ to +60℃ 4085=-40℃ to +85℃, etc

ESR (Equivalent Series Resistance等效阻抗)

TR (Tape and Reel编带)

S (Special Requirement特殊要求)



Pb Free

RoHS Compliant
Directive 2002/95/EC

•Electrical Specifications 电气参数

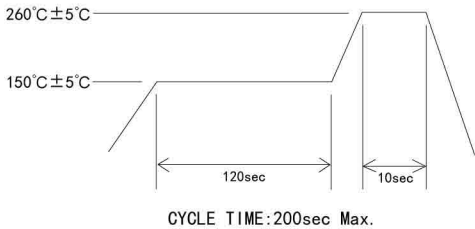
型号	Holder Type	HC - 49U/S
频率范围	Frequency Range	3.5700MHz to 60.00MHz ※(See Notes)
调整频差	Frequency Tolerance (△F) (at25℃)	±10ppm to ±100ppm
温度频差	Frequency Stability	±10ppm to ±100ppm
工作温度范围	Operating Temperature Range	-10℃ ~ +60℃ to -40℃ ~ +85℃
储存温度范围	Storage Temperature Range	-40℃ ~ +85℃ / -55℃ ~ +125℃
老化	Aging (25℃)	±5ppm/year Maximum
静电容	Shunt Capacitance (C0)	7pF Maximum
激励功率	Drive Level	100μW Typical
绝缘阻抗	Insulation Resistance (Rs)	500 Megaohms Minimum at D.C100V
负载电容	Load Capacitance (CL)	Suggested by customer

※Notes: 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

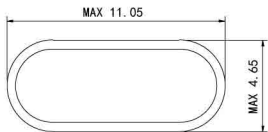
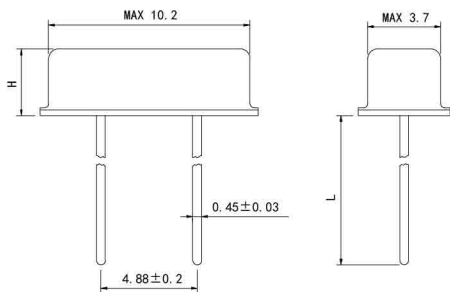
Frequency Range 频率范围	ESR (Ω) 等效阻抗	Mode 振荡模式
3.5700 - 4.0000MHz	150Max	Fundamental
4.0000 - 5.0000MHz	120Max	Fundamental
5.0000 - 6.0000MHz	100Max	Fundamental
6.0000 - 7.0000MHz	80Max	Fundamental
7.0000 - 10.000MHz	60Max	Fundamental
10.000 - 14.000MHz	50Max	Fundamental
14.000 - 20.000MHz	40Max	Fundamental
≥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



•Mechanical Dimensions 外型尺寸

S: TWO LEADS (两引线) UNIT (单位): mm (毫米)

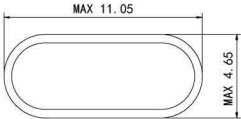
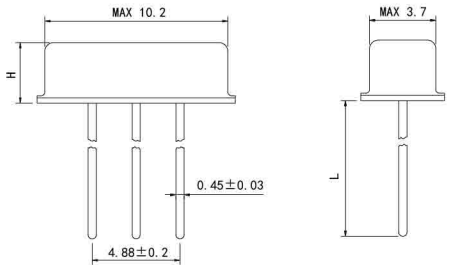


UNIT (单位): mm (毫米)

H: S=3.38mm MAX
 S2=2.8mm MAX
 S3=2.5mm MAX

L: 13.2mm or 20.0mm Typical
 (For taping, only 20.0mm suitable)

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



UNIT (单位): mm (毫米)

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 S3=2.5mm MAX

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