

HC-49U Crystal

Part Number Guide

T-M-FF.FFFM-LC-FTFS-OT-ESR

T (Type型号): U=HC-49U, 2 Leads with height of 13.2mm Max
U2=HC-49T, 2 Leads with height of 10.35mm Max
UB=HC-49U, 3 Leads with height of 13.2mm Max
UB2=HC-49T, 3 Leads with height of 10.35mm 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

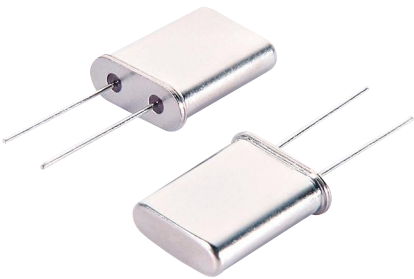
OT (Operating Temperature工作温度): 1060=-10°C to +60°C 4085=-40°C to +85°C, etc

ESR (Equivalent Series Resistance等效阻抗)

A (Automotive车载应用)

Electrical Specifications 电气参数

Item 项目	Spec 规格		Condition 条件
Frequency Range 频率范围	2.5MHz~40MHz		For further questions regarding specifications, please feel free to contact us. 对于超出标准的规格, 请联系我们
Operating Temperature 工作温度	-40~85℃, -55~125℃		
Drive Level 激励功率	100 μw max		It is recommended to use 1 μw~100 μw 推荐1 μw~100 μw
Load Capacitance 负载电容	7pF~∞		For further questions regarding specifications, please feel free to contact us. 对于超出标准的规格, 请联系我们
Frequency Tolerance 调整频差	±30ppm Standard (±10~±50ppm Available)		
Frequency Stability 温度频差	±30ppm@-40~85℃ ±50ppm@-55~125℃		
Aging 老化率	±5ppm		
Storage Temperature 储存温度	-55~125℃		
ESR 等效阻抗 (Ω)	2.5MHz≤F0<3MHz	350 Ω	For further questions regarding specifications, please feel free to contact us. 对于超出标准的规格, 请联系我们
	3MHz≤F0<4MHz	90 Ω	
	4MHz≤F0<5MHz	70 Ω	
	5MHz≤F0<8MHz	60 Ω	
	8MHz≤F0<10MHz	50 Ω	
	10MHz≤F0<20MHz	30 Ω	
	20MHz≤F0<40MHz	25 Ω	

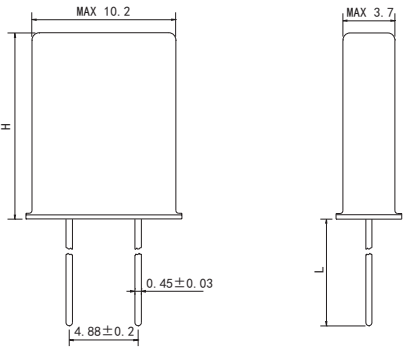


Pb Free

RoHS Compliant

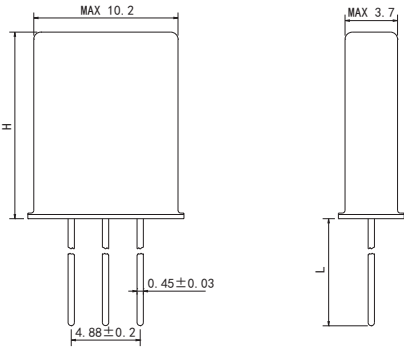
Mechanical Dimensions 外型尺寸

U: TWO LEADS (两引线) UNIT (单位): mm (毫米)



UNIT (单位): mm (毫米)
H: U=13.2mm MAX
U2=10.35mm MAX
L: 13.2mm or 20.0mm Typical
(For taping, only 20.0mm suitable)

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



UNIT (单位): mm (毫米)
H: U=13.2mm MAX
U2=10.35mm MAX
L: 13.2mm or 20.0mm Typical
(For taping, only 20.0mm suitable)