



HC-49S



HC-49S SMD

Outline 概要

HC-49S type crystal units isdesigned within rectangle AT-cut blanks. Due to the hight is only one-third of HC-49U crystal,so it is for small mounting and low space. HC-49S 系列產品內部采用精心設計加工的 AT 切水晶條片，高度只有 HC-49U 的三分之一，適用於狹小及薄厚度空間。

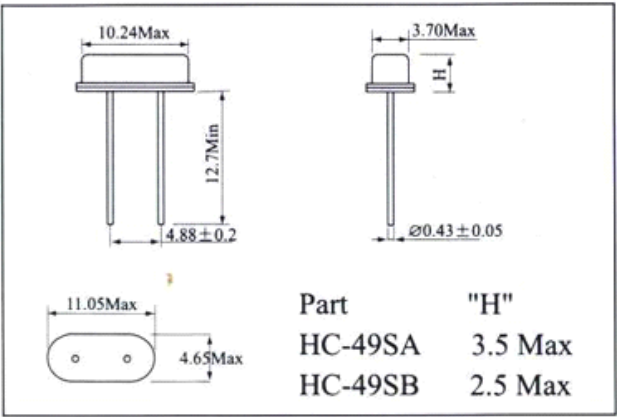
Electrical Specification 一般規格

Frequency Range	頻率範圍	3.072MHz to 70MHz
Frequency Tolerance(at 25℃)	調整頻差	± 50ppm(± 30ppm,± 20ppm)
Frequency Stability	溫度頻差	± 50ppm(± 30ppm,± 20ppm)
Operating Temperature Range	工作溫度	-10℃ to 60℃
Aging	年老化率	≤ ± 5ppm(Max.)
Storage Temperature Range	貯存溫度	-30℃ to 80℃
Shunt Capacitance	靜電容	7pF(Max.)
Insulation Resistance	絕緣電阻	500M Ω DC/100V ± 15V
Drive Level	激勵電平	100 μ W to 1000 μ W
Load Capacitance	負載電容	Series Resonanse or 12~50pF

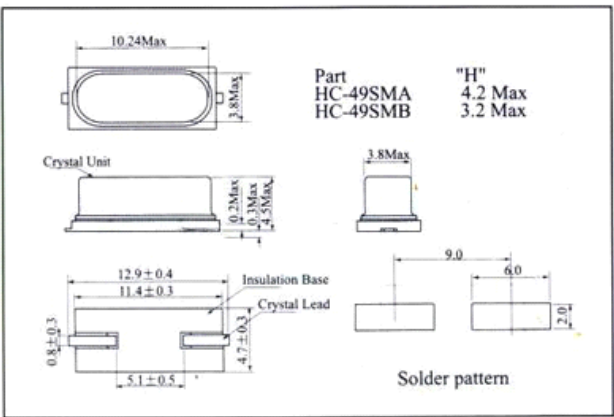
Equivalent Series Resistance (ESR) 等效電阻

Frequency Range 頻率範圍	ESR (Ω) max 等效電阻	Mode 振動模式	Frequency Range 頻率範圍	ESR (Ω) max 等效電阻	Mode 振動模式
3. 702~3. 5MHz	300	Fond	8. 0~10MHz	60	Fond
3. 5~3. 8MHz	450	Fond	10~12MHz	50	Fond
3. 8~4. 1MHz	350	Fond	12~28MHz	40	Fond
4. 1~5. 0MHz	150	Fond	28~33MHz	30	Fond
5. 0~6. 0MHz	90	Fond	26~40MHz	100	3 rd Overtone
6. 0~8. 0MHz	60	Fond	40~70MHz	80	3 rd Overtone

Dimension (mm) 外觀尺寸



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