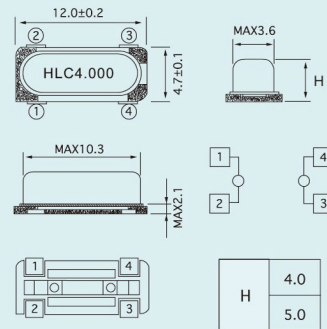


QUARTZ CRYSTAL UNIT

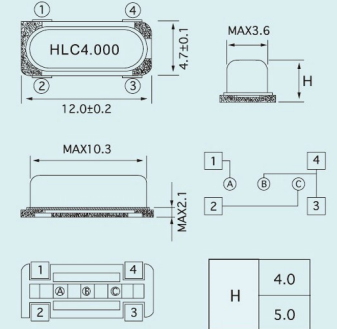
HC-49S/2PD HC-49S/4PD



49S/2PD DIMENSIONS(mm)



49S/4PD DIMENSIONS(mm)



技術指標 / SPECIFICATIONS

類型	TYPE	HC-49S/2PD	HC-49S/4PD
頻率範圍	Frequency Range	3.500 ~ 100.000MHz	
切型	Mode of Vibration	AT;BT	
調整頻差	Frequency Tolerance (at25°C)	±5ppm ~ ±30ppm	
溫度頻差	Frequency Temperature Characteristics	AT: ±2.5ppm (0°C ~ 50°C) ; ±5ppm (-10°C ~ 60°C) ±10ppm (-20°C ~ 70°C) ; ±30ppm (-40°C ~ 85°C) BT: ±100ppm (-20°C ~ 70°C)	
儲藏溫度	Storage Temperature Range	-40°C ~ 85°C	
諧振電阻	Equivalent Series Resistance (ESR)	See Table	
負載電容	Load Capacitance (CL)	4pf ~ ∞	
靜電容	Shunt Capacitance (C0)	< 7pf	
絕緣電阻	Insulation Resistance	> 500MΩ At DC 100V	
激勵電平	Drive Level	1uW ~ 100uW	
老化率	Aging (Year)	±3ppm (Year)	

FREQUENCIES vs EQUIVALENT SERIES RESISTANCE

Frequency (MHz)	Mode	ESR (Ω)
3.500 ≤ f < 4.000	AT Fundamental	150 ~ 100
4.000 ≤ f < 6.000	AT Fundamental	100 ~ 60
6.000 ≤ f < 10.000	AT Fundamental	60 ~ 50
10.000 ≤ f < 15.000	AT Fundamental	50 ~ 30
15.000 ≤ f < 35.000	AT Fundamental	≤ 25
21.000 ≤ f < 40.000	BT Fundamental	≤ 40
25.000 ≤ f < 100.000	3 rd overtone	80 ~ 60

編帶尺寸圖 / Taping Dimensions

除表中所列參數外，可根據客戶需要設計。

We shall design according to customer's requests besides these specifications in the above table.

