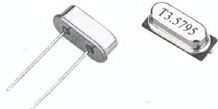
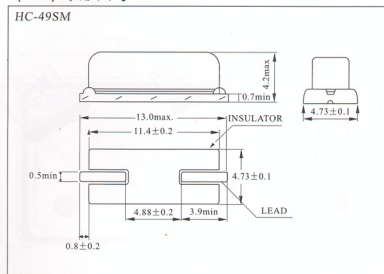
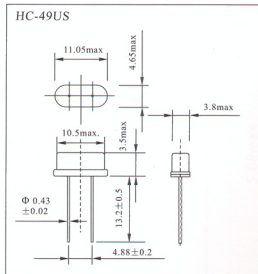


HC-49US/HC-49SM DIP/SMD TYPE

DIMENSIONS (mm) 外形尺寸



PART NUMBER GUIDE 部件号示例 e.g. FTX3.579M205 (*S=HC-49US SM=HC-49SM)

	Quartz crystal resonator 石英晶体谐振器	Frequency 频率(3.579545MHz)	Load Capacitance 负载电容	*Package Type 盒形
FT	X	3.579M	20	S

1. PARAMETERS (技术参数)

Parameter	参数	Specification 规格
Frequency Range	频率范围 (MHz)	3.0~75.0MHz
Operation Mode	振动模式	See table 2 见表2
Load capacitance C_L	负载电容 (pF)	20 pF Std. 8 to 50PF Series available
Frequency Tolerance F_L	调整频差 (ppm)	±30ppm@25°C Std. (±5±100ppm available)
Temperature Tolerance T_L	温度频差 (ppm)	±50ppm Std. (See Table 3 见表3)
Operating Temperature T_o	工作温度 (°C)	-10 to +60°C Std. (See Table 3 见表3)
Storage Temperature S_T	储存温度 (°C)	-55 to +125°C
Motional Resistance R_m	谐振电阻 (Ω)	See table 2 见表2
Shunt Capacitance C_o	静态电容 (pF)	7pF max
Drive Level D_L	激励电平 (mW)	0.1~1mW
Insulation Resistance I_R	绝缘电阻 (MΩ)	500(Dc100±10V) min
Aging@25°C	年老化率 (ppm/y)	±5ppm max

All specifications subject change without notice

规格变化, 恕不另行通知

2. OPERATION MODE AND RS 振动模式与谐振电阻

FREQUENCY	TYPE	MODE	HC-49U/S (Ω max)
3.0~3.5MHz		FUND	300
3.5~3.8MHz		FUND	150
3.8~4.1MHz		FUND	120
4.1~5.0MHz		FUND	100
5.0~6.0MHz		FUND	80
6.0~8.0MHz		FUND	70
8.0~10.0MHz		FUND	60
10.0~12.0MHz		FUND	50
12.0~28.0MHz		FUND	40
28.0~33.5MHz		FUND	50
26.0~40.0MHz		3rd OVERTONE	100
40.0~75.0MHz		3rd OVERTONE	80

3. FREQUENCY--TEMPERATURE TOLERANCE 温度频差

• Recommended 推荐使用 ○ available 可用

Cutting 切型	Temp range	Tolerance (ppm)					
		±5	±10	±15	±20	±30	±50
AT	0~50°C	○	○	○	○	○	○
	-10~60°C		○	○	○	●	○
	-20~70°C			○	○	○	●
	-30~80°C				○	○	○
BT	-40~85°C						○
	Freq vs temp. For BT cutting within a range of ±80~±120ppm BT 切温度频差一般为±80~±120PPM						