



⊕ PART NUMBER GUIDE 部件号示例 e.g. FTX3.579M20S (\*S=HC-49US SM=HC-49SM)

	Quartz Crystal Resonator 石英晶体谐振器	Frequency 频率	Load Capacitance 负载电容
FT	X	3.579MHz	20

⊕ 1.PARAMETERS 技术参数

PARAMETER	参 数	SPECIFICATION 规格
Frequency Range	频率范围 (MHz)	3.0MHz~75.0MHz
Operation Mode	振动模式	See Table 2 见表2
Load capacitance $C_L$	负载电容 (pF)	20pF Std. 8 to 35pF seri
Frequency Tolerance $F_L$	调整频差 (ppm)	$\pm 20$ ppm@25°C Std. ( $\pm 5$ )
Temperature Tolerance $T_L$	温度频差 (ppm)	$\pm 20$ ppm Std. (See Table
Operating Temperature $T_O$	工作温度 (°C)	-10°C to +60°C Std. (Se
Storage Temperature $S_T$	储存温度 (°C)	-40°C to +85°C
Motional Resistance $R_L$	谐振电阻 ( $\Omega$ )	See Table 2 见表2
Shunt Capacitance $C_0$	静态电容 (pF)	7pF max
Drive Level $D_L$	激励电平 (mW)	0.01mW~1mW
Insulation Resistance $I_k$	绝缘电阻 (M $\Omega$ )	500( DC500 $\pm 10$ V ) min
Aging@25°C	年老化率 (ppm/y)	$\pm 5$ ppm 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 ( $\Omega$ max)
3.0MHz~3.5MHz		FUND	300
3.5MHz~3.8MHz		FUND	150
3.8MHz~4.1MHz		FUND	120
4.1MHz~5.0MHz		FUND	100
5.0MHz~6.0MHz		FUND	80
6.0MHz~8.0MHz		FUND	70
8.0MHz~10.0MHz		FUND	60
10.0MHz~12.0MHz		FUND	50
12.0MHz~28.0MHz		FUND	40
28.0MHz~33.5MHz		FUND	50
26.0MHz~40.0MHz		3 <sup>rd</sup> OVERTONE	100
20.0MHz~40.0MHz		BT Found	40

⊕ 3. FREQUENCY-TEMPERATURE

• Recommended 推荐使用

Cutting 切型	Temp. Range	$\pm 5$
AT	0°C~+50°C	○
	-10°C~+60°C	
	-20°C~+70°C	
	-30°C~+80°C	
	-40°C~+85°C	
BT	Freq. vs temp. for cutt BT 切温度频差一般	