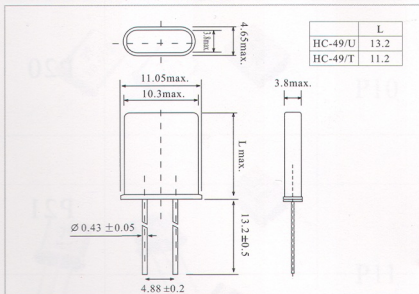
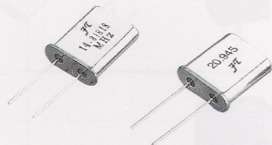


HC-49U/HC-49T DIP TYPE

DIMENSIONS (mm) 外形尺寸



PART NUMBER GUIDE 部件号示例 e.g.FTX14.318M20U (\*U=HC-49U T=HC-49T)

	Quartz crystal resonator 石英晶体谐振器	Frequency 频率(14.318MHz)	Load Capacitance 负载电容	*Package Type 盒形
FT	X	14.318M	20	U

1.PARAMETERS (技术参数)

Parameter	参数	Specification 规格
Frequency Range	频率范围 (MHz)	1.8--100MHz
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)	$\pm 30$ ppm@25°C Std. ( $\pm 5$ -- $\pm 100$ ppm available)
Temperature Tolerance $T_L$	温度频差 (ppm)	$\pm 50$ ppm Std. (See Table 3 见表3)
Operating Temperature $T_O$	工作温度 (°C)	-20 to +70°C Std. (See table 3 见表3)
Storage Temperature $T_S$	储存温度 (°C)	-55 to +125°C
Motional Resistance $R_s$	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)	0.05--1mW
Insulation Resistance $I_k$	绝缘电阻 ( $M\Omega$ )	500(Dc100 $\pm$ 10V) min
Aging@25°C	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-49T ( $\Omega$ max)	HC-49U ( $\Omega$ max)
1.8--2.0MHz		FUND		600
2.0--2.4MHz		FUND		450
2.4--3.0MHz		FUND		350
3.0--3.5MHz		FUND		150
3.5--4.0MHz		FUND	150	90
4.0--7.0MHz		FUND	90	70
7.0--10MHz		FUND	50	50
10--15MHz		FUND	45	35
15--20MHz		FUND	25	25
20--25MHz		FUND/3 <sup>rd</sup> OVERTONE	25/60	25/50
25--30MHz		FUND/3 <sup>rd</sup> OVERTONE	25/40	25/40
30--75MHz		3 <sup>rd</sup> OVERTONE	40	40
75--100MHz		3 <sup>rd</sup> /5 <sup>th</sup> OVERTONE	-/60	-/60
27--35MHz		BT FUND	40	40

3. FREQUENCY--TEMPERATURE TOLERANCE 温度频差

- Recommended 推荐使用
- available 可用

Cutting 切型	Temp range	Tolerance( ppm )					
		$\pm 5$	$\pm 10$	$\pm 15$	$\pm 20$	$\pm 30$	$\pm 50$
AT	0--+50°C	○	○	○	○	○	○
	-10--+60°C		○	○	○	○	○
	-20--+70°C			○	○	●	○
	-30--+80°C				○	○	●
BT	-40--+85°C						○
	Within a range of $\pm 80$ -- $\pm 120$ PPM BT 切温度频差一般为 $\pm 80$ -- $\pm 120$ PPM						