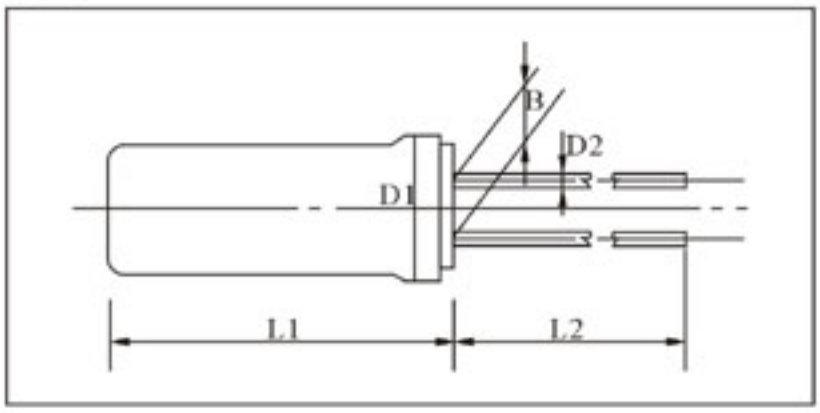
RoHS Products

QUARTZ CRYSTAL RESONATOR 石 英 晶 体 谐 振 器

AT38/AT39/AT310 DIP TYPE

DIMENSIONS (Unit: mm) 外形尺寸



外 型	L_1	L_2	D_1	D_2	B
AT38(ø3x8)	8.3	10.0	ø3.1	ø0.3	0.8
AT39(ø3x9)	9.3	10.0	ø3.1	ø0.3	1.1
AT310(ø3x10)	10.3	10.0	ø3.1	ø0.3	1.1

PART NUMBER GUIDE 部件号示例 *e.g. FTX20.945M20A8 (*A8=AT38 A9=AT39 A10=AT310)*

	Quartz Crystal Resonator 石英晶体谐振器	Frequency 频率	Load Capacitance 负载电容	*Package Type 盒形
FT	X	20.945MHz	20	A8

1. PARAMETERS 技术参数

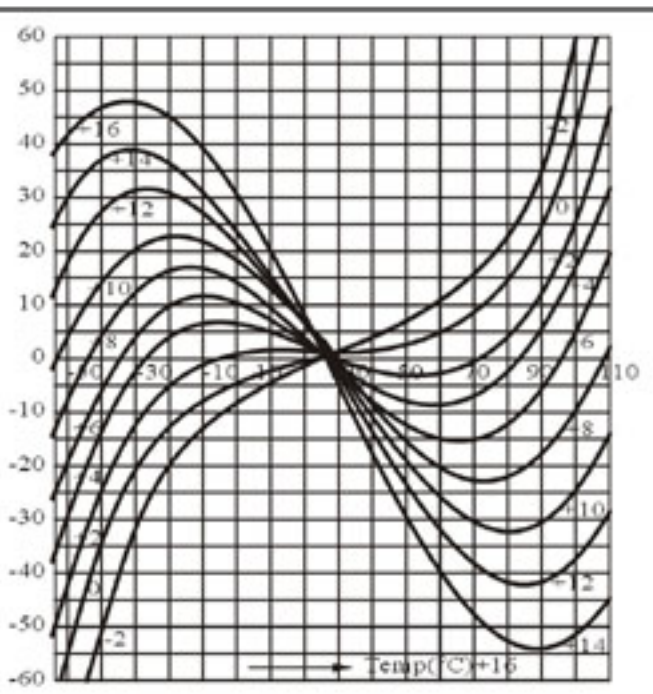
PARAMETER	参 数	SPECIFICATION 规格
Frequency Range	频率范围 (MHz)	3.579MHz ~ 60MHz
Operation Mode	振动模式	See Table 2 见表2
Load Capacitance C_L	负载电容 (pF)	20pF std. 8 to 35pF series available
Frequency Tolerance F_L	调整频差 (ppm)	±10ppm ~ ±50ppm
Temperature Tolerance T_L	温度频差 (ppm)	±50ppm Std.
Operating Temperature O_T	工作温度 (°C)	-10°C to +60°C Std. (See P4 Table 3 见第四页表3)
Storage Temperature S_T	储存温度 (°C)	-40°C ~+85°C
Motional Resistance R_1	谐振电阻 (Ω)	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_R	绝缘电阻 (MΩ)	500(DC50±10V)min
Aging@25°C	年老化率 (ppm/y)	±5ppm max

◎ *All specifications sujject change without notice. 规格变化，如不另行通知*

2. OPERATION MODE AND RS 振动模式与谐振电阻

TYPE / FREQUENCY	MODE	RS (Ωmax)
3.579MHz~3.699MHz	FUND	200
3.700MHz~3.999MHz	FUND	180
4.000MHz~4.099MHz	FUND	150
4.100MHz~4.999MHz	FUND	120
5.000MHz~5.999MHz	FUND	100
7.000MHz~9.999MHz	FUND	80
10.000MHz~11.999MHz	FUND	70
12.000MHz~13.999MHz	FUND	60
14.000MHz~15.999MHz	FUND	50
16.000MHz~30.000MHz	FUND	40
27.000MHz~60.000MHz	3rd OVERTONE	100

AT CUTTING TEMPERATURE CHARACTERISTICS
AT 切频率温度特性图



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