



## DIP CRYSTAL UNITS

### ◆ DIP DT-308 Crystal



This part is a miniature AT cut strip  
crystal units with a low profile package.  
It is with resistance weld.

#### FEATURES

- Low Cost
- Industry Standard
- Wide Frequency Range
- Excellent Aging

### ◆ 标准规格 Electrical Specifics

Item	Type	DT-308
标准频率 Frequency Range	F0	3.500MHz~65.000MHz
负载电容 Load Capacitance	CL	10pF to Series
调整频差 Frequency Tolerance	$\Delta F/F0$	$\pm 10\text{ppm}, \pm 20\text{ppm} \pm 30\text{ppm} \pm 50\text{ppm} (\text{At } 25^\circ\text{C})$
等效电阻 Equivalent Series Resistance	ESR	See Table 1
温度频差 Temperature Stability	TC	$\pm 10\text{ppm}, \pm 30\text{ppm}, \pm 50\text{ppm} (\text{Rsfcr to } 25^\circ\text{C})$
工作温度 Operating Temperature Range		$-20 \sim +70^\circ\text{C}, -40 \sim +85^\circ\text{C}$ Option
贮存温度 Storage Temperature Range		$-40 \sim +85^\circ\text{C}$
静态电容 Shunt Capacitance	$C_0$	7pF max.
绝缘电阻 Insulator Resistance	IR	500M $\Omega$ min. (At 100VDC)
激励功率 Drive level	DL	100 $\mu\text{W}$ (500 $\mu\text{W}$ max)
老化率 Aging	Fa	$\pm 5\text{ppm}$ max. (AT25 $^\circ\text{C}$ , First year)
最小包装 Packing Unit		1000pcs/bag

### ◆ 等效电阻 Table 1: Equivalent Series Resistance (ESR) and Mode of Vibration (Mode)

Frequency Range (MHz)	Max ESR ( $\Omega$ )	Mode	Frequency Range (MHz)	Max ESR ( $\Omega$ )	Mode
3.578545 to 5.999	150	Fundamental/AT	12.000 to 29.999	40	Fundamental/AT
6.000 to 11.999	80	Fundamental/AT	30.000 to 65.000	80	3rd Overtone

\*\*Please contact us for inquiries regarding other Specifications

### ◆ 外型尺寸 Mechanical Dimensions (mm)



MODEL	3*8 (mm)
A	8.0 $\pm$ 0.3
B	3.0 $\pm$ 0.1
C	1.1
D	10
E	0.3

