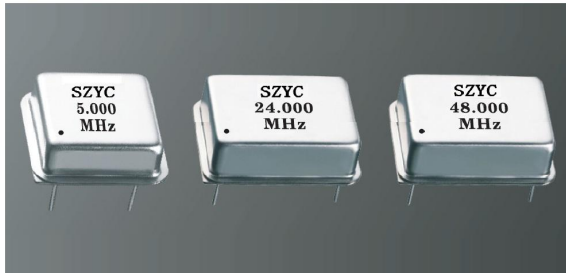




Features

Wide Frequency Range TTL / HCMOS Output
14 pin / 8 pin DIP Package
All Metal Welded Package
Customer Lead Length Options Available



Electrical Specification

Type		1.000 ~ 125.000MHz	
调整频差 (PPM)	Frequency Tolerance (at 25°C)	± 100ppm, ± 50ppm, ± 25ppm Max	
工作温度 (°C)	Operating Temperature	0°C ~ +70°C or -40°C ~ +85°C	
储存温度 (°C)	Storage Temperature Range	-55°C ~ +125°C	
电源电压 (V _{DD})	Supply Voltage (V _{DD})	5.0V _{DD} ± 10%, 3.3V _{DD} ± 10%	
高电平	Higher Potentiometer	w / TTL load	2.4 V _{DD} Min
		w / HCMDS load	90% of V _{DD} Min
低电平	Lower Potentiometer	w / TTL load	0.4 V _{DD} Max
		w / HCMDS load	10% of V _{DD} Max
频率偏移 /Pin 1控制电压	Frequency deviation /Pin 1 control Voltage	2.5 V _{DD} ± 2.0 V _{DD}	± 10, ± 30, ± 50, ± 100ppm Min
		2.5 V _{DD} ± 2.5 V _{DD}	± 10, ± 30, ± 50, ± 100, ± 150ppm Min
		1.65 V _{DD} ± 1.65 V _{DD} (or ± 1.5 V _{DD})	
线性度	Linearity	± 20, ± 15, ± 10, ± 5%(optional)	
输入电流	Input Current	1.000 ~ 20.000MHz	20mA Max 15mA Max
		20.001 ~ 40.000MHz	30mA Max 25mA Max
		40.001 ~ 80.000MHz	40mA Max 35mA Max
		80.001 ~ 125.000MHz	50mA Max 45mA Max
上升/下降时间	Rise / Fall Time	1.000 ~ 20.000MHz	10nsec Max
		20.001 ~ 70.000MHz	6nsec Max
		70.001 ~ 125.000MHz	4nsec Max
占空因数	Duty Cycle	at 50% of waveform w / HCMOS load or 1.4V _{DD} w / TTL load	50 ± 10% (STD) 50 ± 5% (Optional)
负载驱动能力	Load Drive Capability	10TTL load or 15pF HCMOS load	
老化率 (ppm/y)	Aging	± 3ppm/year Max	
起振时间	Start-Up Time	10msec Max	

Crystal Oscillators DIP Type

■ Environmental / Mechanical Specifications

Parameter	Specifications
Seal Integrity	Bubble test in perfluorocarbon at 125 °C ± 5 °C for 60 seconds minimum
Solder Ability	Sn63 solder dip at 230 ± 5 °C for 5 seconds 95% coverage
Marking Permanency	10 strokes with brush after 1 minute soak in solvent, 3 times
Shock	Random drop on hard wooden plate 3 times from a height of 50 cm
Vibration	The crystal units shall be capable of with standing each one hour in 3 directions 10~55Hz amplitude 1.5mm FS : ± 3ppm Max. ESR: ± 2.0 Ω or 15% which ever is larger

■ Dimension (Unit: mm)

