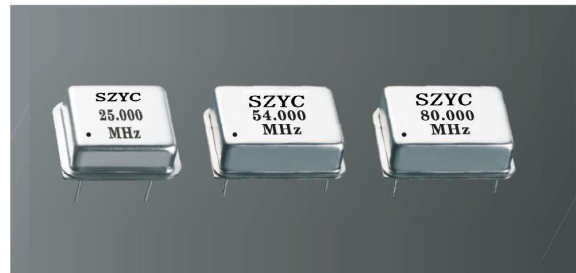




Features

Wide Frequency and Pull Range
TTL / HCMOS Output
Customer Lead Length Options Available
14 pin / 8 pin DIP Package



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	-40°C ~ +85°C	
电源电压 (V _{DD})	Supply Voltage (V _{DD})	5.0V _{DC} ± 5%, 3.3V _{DC} ± 5%	
高电平	Higher Potentiometer	w / TTL load	2.4 V _{DC} Min
		w / HCMDS load	90% of V _{DD} Min
低电平	Lower Potentiometer	w / TTL load	0.4 V _{DC} 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 _{DC} ± 2.0 V _{DC}	± 10, ± 30, ± 50, ± 100ppm Min
		2.5 V _{DC} ± 2.5 V _{DC}	± 10, ± 30, ± 50, ± 100, ± 150ppm Min
		1.65 V _{DC} ± 1.65 V _{DC} (or ± 1.5 V _{DC})	
线形度	Linearity	± 20, ± 15, ± 10, ± 5%(optional)	
输入电流	Input Current	1.000 ~ 25.000MHz	20mA Max 15mA Max
		25.001 ~ 50.000MHz	30mA Max 25mA Max
		50.001 ~ 80.000MHz	40mA Max 35mA Max
		80.001 ~ 155.520MHz	50mA Max 45mA Max
频率稳定度	Frequency Stability	± 50, ± 25, ± 20, ± 10ppm (see Table 1)	
上升/下降时间	Rise / Fall Time	10nsec Max	
占空因数	Duty Cycle	TTL: 1.5V	50 ± 10% (STD)
		HCMOS: 50%	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	

VCXO (Voltage Controlled Crystal Oscillator) 5.0v/3.3v supply Voltage

■ 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: ± 2.0Ω or 15% which ever is larger

■ Frequency Stability over Temperature Range (AT cut) (Table)

Temperature Range		±20PPM	±25PPM	±30PPM	±35PPM	±40PPM	±45PPM	±50PPM
		20	25	30	35	40	45	50
0 ~ +50°C	A	Δ	Δ	Δ	Δ	Δ	Δ	Δ
-5 ~ +55°C	B	Δ	Δ	Δ	Δ	Δ	Δ	Δ
-10 ~ +60°C	C	Δ	Δ	Δ	Δ	Δ	Δ	Δ
-20 ~ +70°C	D	/	Δ	Δ	Δ	Δ	Δ	Δ
-30 ~ +85°C	E	/	/	/	Δ	Δ	Δ	Δ
-40 ~ +85°C	F	/	/	/	Δ	Δ	Δ	Δ

■ Dimension (Unit: mm)

