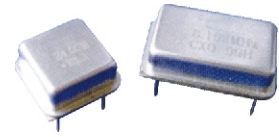


## SP01

- Clock Oscillator
- 14Pin DIP Full size or half size
- Application: Microprocessor controllers, ATM, networking, Computers, VCDs, DVDs
- Low Cost



### Table1 Specifications

Parameter	SP01	
Frequency Range	1MHz~80MHz	
Frequency Tolerance and Stability	$\pm 20 \sim \pm 100$ ppm, See Table2	
Operation Temperature Range	0~70°C standard ,Extend Temp.Rang Available	
Frequency	vs V <sub>CC</sub> Change $\pm 10\%$	$\pm 3$ ppm
Stability	vs Load Change $\pm 10\%$	$\pm 3$ ppm
Supply Voltage	3.3V,5.0V	
Output	Wave Form	TTL/CMOS,Code is "T"
	Load	5~10LSTTL or 15pF max
	Duty Cycle	40~60%
	Tr/Tf	5ns typical,Frequency independent
Startup Time	5ms typical,10ms max	
Aging	$\pm 5$ ppm/year max	
Tri-state	Output disabled when Pin1=Low ,option code "T"	
Package	A14a,A14b	
Storage Temperature Range	-55~+85°C	

Table2 Frequency Stability vs Operation Temperature Range(Ref to 25°C) and Option Code

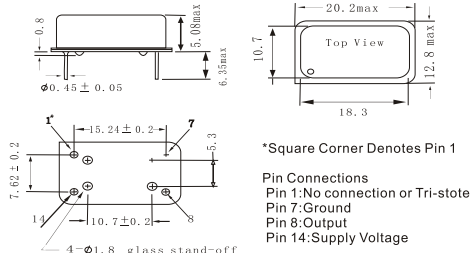
	$\pm 20$ ppm	$\pm 25$ ppm	$\pm 30$ ppm	$\pm 50$ ppm	$\pm 100$ ppm
0~70°C	K20	K25	K30	K50	K100

### SPXOs

### Part Numbering Key

	SERIES	SUPPLY VOLTAGE	OUTPUT FORM	FREQ.STABILITY	Tri-STAGE OPTION	PACKAGE CODE	FREQUENCY
Sample Part Numbers	SP01	3.3=3.3V	T=TTL/CMOS	See table2	Non	A14a	
		5=5.0V			T	A14b	
	SP01	5	T	K100		A14a	8.192MHz

### Package A14a



### Package A14b

