



SP01

- ◆ Clock Oscillator.
- ◆ 14Pin DIP full size or half size.
- ◆ Applications: Microprocessor controllers, ATM, Networking, Computers, VCDs, DVDs
- ◆ Low cost.

Table1 Specifications

Parameter		SP01
Frequency Range		1MHz~80MHz
Frequency Tolerance and Stability		±20~±100ppm, See Table 2
Operation Temperature Range		0~70°C standard, Extended Temp. Rang Available
Frequency Stability	vs Vcc Change ±10%	±3ppm
	vs Load Change ±10%	±3ppm
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		±5ppm/year max
Tri-state Option		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

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

SPXOs

Part Numbering Key

Sample Part Numbers

SERIES	PACKAGE CODE	SUPPLY VOLTAGE	OUTPUT FORM	FREQ. STABILITY	Tri-STATE OPTION	FREQUENCY
SP01	A14a A14b	3.3~3.3V 5=5.0V	T=TTL/CMOS	See Table2	Non T	
SP01A14a-5TK100 @8.19200Mhz	A14a	5	T	K100		8.192MHZ

Package A14a

Package A14b

