

OSCILLATOR SBXO - 24

APPLICATIONS

- ▶ Mobile system
- ▶ CCD module
- ▶ Notebook
- ▶ PDA

ULTRA SMALL OSCILLATOR
3.2mm X 2.5mm X 1.2mm(H)

PICTURE
AREA

OUTLINE DIMENSIONS

Pin No.	Function
#1	Tri-state or no connect
#2	GND
#3	Frequency output
#4	Vcc

ELECTRICAL SPECIFICATIONS

Frequency range	2.000MHz to 55.000MHz		
Frequency stability	±25ppm	±50ppm	±100ppm
	Inclusive of operating temperature		
Operating temperature range	-10 °C ~ 70 °C Typical		
Storage temperature range	-55 °C ~ 125 °C		
Input voltage	+3.3Vdc ±0.3V	+5.0Vdc ±0.5V	
Input current	30mA max.	60mA max.	
"0" / "1" level	+0.4V max. / +3.0V min.	+0.5V max. / +4.5V min.	
Duty ratio	45/55% or 55/45% (typical)		
Rise & Fall time	10nS max. at +5.0Vdc (+0.5Vdc to +4.5Vdc)		
	5nS max. at +3.3Vdc (+0.4Vdc to +2.4Vdc)		
Start up time	10mS max. (at +5.0Vdc)		
	7mS max. (at +3.3Vdc)		
Fan out	15pF // 10 TTL		
Aging (at 25 °C)	±5ppm / year max.		

ENVIRONMENTAL & MECHANICAL SPECIFICATIONS

Shock	MIL-STD-883C, Method 2002, Condition B
Vibration	MIL-STD-883C, Method 2007, Condition A
Solderability	MIL-STD-883C, Method 2003
Seal integrity	MIL-STD-883C, Method 1014, Condition C & A2
Marking	MIL-STD-202F, Method 215

PART NUMBERING GUIDE

S B X O 2 4 C A T 3

- Sbtron** (S)
- Oscillator** (B)
- Model No.** (X, O)
- Frequency stability** (2, 4, C, A)
 - A = ± 25 ppm
 - B = ± 50 ppm
 - C = ±100 ppm
 - D = Customize
- Input voltage** (T, 3, 5)
 - 3 = 3.3Volt
 - 5 = 5.0Volt
- Pin #1 function** (T, Blank)
 - T = Tri-state (Typical)
 - Blank = No connect
- Temperature range** (A, B, C, D)
 - A = 0 °C ~ 70 °C
 - B = -20 °C ~ 70 °C
 - C = -30 °C ~ 80 °C
 - D = Customize

Standard specifications for product indicated in **BLUE** character
Specifications subjects to change without notice & If you need other specifications, Contact our factory.

