

OSCILLATOR SBXO - 25

APPLICATIONS

32.768KHz / Time-Base oscillator
7.1mm X 5.3mm X 1.5mm(H)

PICTURE
AREA

- ▶ RTC
- ▶ Mobile
- ▶ CCD module
- ▶ Timing peripherals

OUTLINE DIMENSIONS

< Soldering PAD >

Pin No.	Function
1	V _{IO}
2	GND
3	Frequency output
4	V _{DD}

If not use V_{IO} function, Connect #1 to V_{DD}

ELECTRICAL SPECIFICATIONS

Frequency range	32.768KHz		
Frequency stability	±25ppm	±50ppm	±100ppm
	Inclusive of operating temperature		
Operating temperature range	0 °C ~ 70 °C		
Storage temperature range	-50 °C ~ 105 °C		
Input voltage	+1.8Vdc ~ +5.0Vdc		
Input current	5uA max.		
"0" / "1" level	+0.4V max. / V _{DD} -0.4V min.		
Duty ratio	60/40% or 40/60% (typical)		
Rise & Fall time	200nS max. (at +20% to 80% and 80% to 20%)		
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
Marking	MIL-STD-202F, Method 215

PART NUMBERING GUIDE

SBXO 25 B A

Sbtron
Oscillator
Model No.

Frequency stability
A = ± 25 ppm
B = ± 50 ppm
C = ±100 ppm
D = Customize

Temperature range
A = 0 °C ~ 70 °C
B = -10 °C ~ 70 °C
C = -20 °C ~ 70 °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.*

