OSCILLATOR
SBXO - 19

STANDBY FUNCTION OSC.

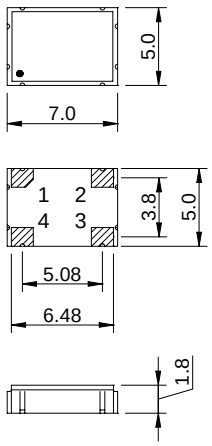
7mm X 5mm X 1.8mm(H)

PICTURE AREA

APPLICATIONS

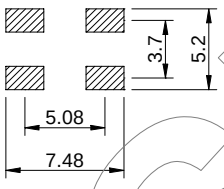
- ►**Mobile system**
- ►**Portable equipment**
- ►**Notebook**
- ►**PDA**

OUTLINE DIMENSIONS



Pin No.	Function
1	Standby function
2	GND
3	Frequency output
4	Vcc

< PAD LAYOUT >



ELECTRICAL SPECIFICATIONS

Frequency range	1.000MHz to 80.000MHz		
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 ±0.2V		
Input current	15mA max. (at 80.000MHz)		
"0" / "1" level	+0.3V max. / +1.5V min.		
Duty ratio	55/45% or 45/55% (typical)		
Standby current	100uA max.		
Standby function (Pin #1)	High (or Open) = Active (Normal operation)		
	Low = Hi-impedance (Stop oscillation)		
Rise & Fall time	5nS max.		
Start up time	10mS max.		
Fan out	15pF		
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 1 9 B A

Sbtron

Oscillator

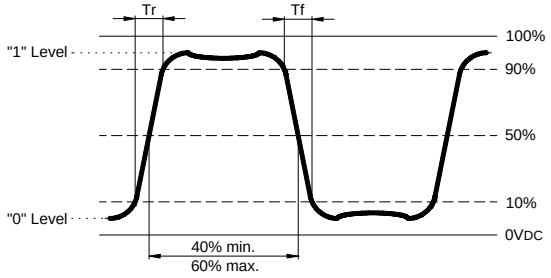
Model No.

Temperature range
A = 0 °C ~ 70 °C
B = –20 °C ~ 70 °C
C = –30 °C ~ 80 °C
D = Customize

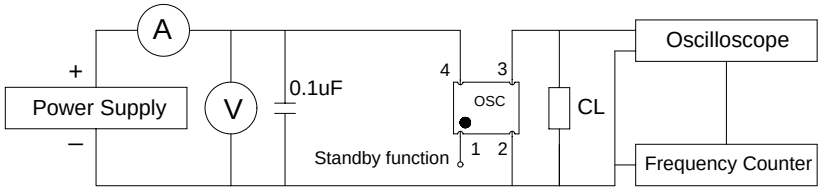
Frequency stability
A = ± 25 ppm
B = ± 50 ppm
C = ±100 ppm
D = Customize

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

WAVE FORM



TEST CIRCUIT



NOTES : (1) CL ··· 15pF INCLUDES ALL STRAY AND SCOPE/CTR. LOADING CAPACITANCE

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