TCXO
SBTO - 26

SINE WAVE

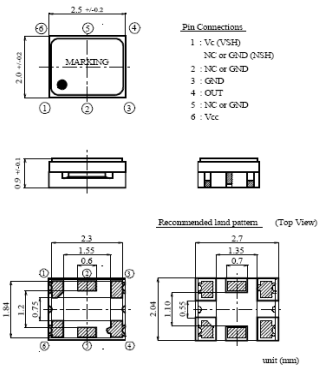
SMD PACKAGE

PICTURE AREA

APPLICATIONS

- ►**Stabile frequency**
- ►**Measurement system**
- ►**Communication system**
- ►**Cellular phone**

OUTLINE DIMENSIONS



ELECTRICAL SPECIFICATIONS

Frequency range	10.000MHz to 40.000MHz
Frequency stability	±0.5ppm / ±2.5ppm / ±5.0ppm Inclusive of operating temperature
Operating temperature range	-30 °C ~+ 85 °C
Storage temperature range	–55 °C ~ 125 °C
Input voltage	+3.0Vdc ±0.3V (3.3V available)
Input current	2mA max.
Output wave form	0.8Vp-p min. (Clipped sine wave)
Input voltage stability	±0.3ppm max. (at +3.0Vdc ±0.3V)
Input impedance	1MΩ
Load	10KΩ // 10pF
Aging (at 25 °C)	±1.0ppm max. / year
AFC characteristic (option)	±15ppm max. (at +1.5Vdc ±1.0V)
Polarity	Positive
Phase noise	100Hz : -110dBc/Hz 1KHz : -130dBc/Hz 100KHz : -148dBc/Hz

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 T O 26 B C V

Sbtron

(VC)TCXO

Model No.

Frequency stability
A = ± 0.5 ppm
B = ± 2.5 ppm
C = ± 5.0 ppm
D = Customize

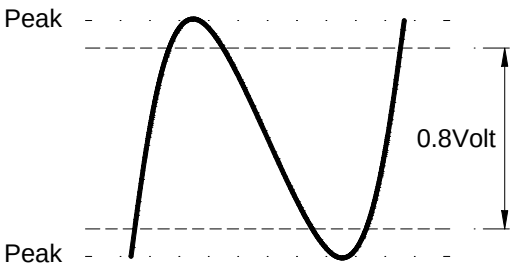
AFC option
T = TCXO
V = VCTCXO

Temperature range
A = 0 °C ~ 70 °C
B = –20 °C ~ 70 °C
C = –30 °C ~ 85 °C
D = Customize

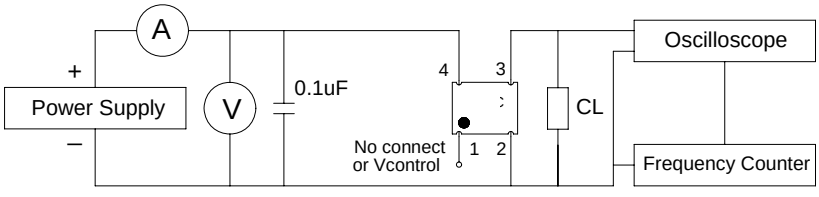
Standard specifications for product indicated in BLUE character

Specifications subjects to change without notice & If you need other specifications, Contact our factory.

WAVE FORM



TEST CIRCUIT



NOTES : (1) CL ... 10pF INCLUDES ALL STRAY AND SCOPE/CTR. LOADING CAPACITANCE

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