

TCXO SBTO - 10

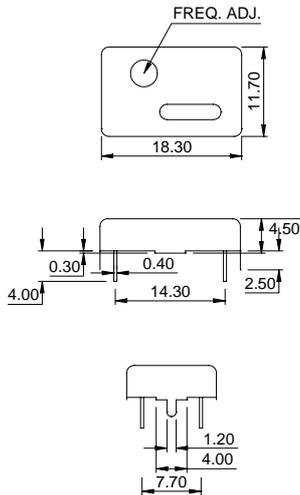
SINE WAVE
DIP PACKAGE

APPLICATIONS

- ▶ Stable frequency
- ▶ Measurement system
- ▶ Communication system
- ▶ High reliability and precision

PICTURE
AREA

OUTLINE DIMENSIONS



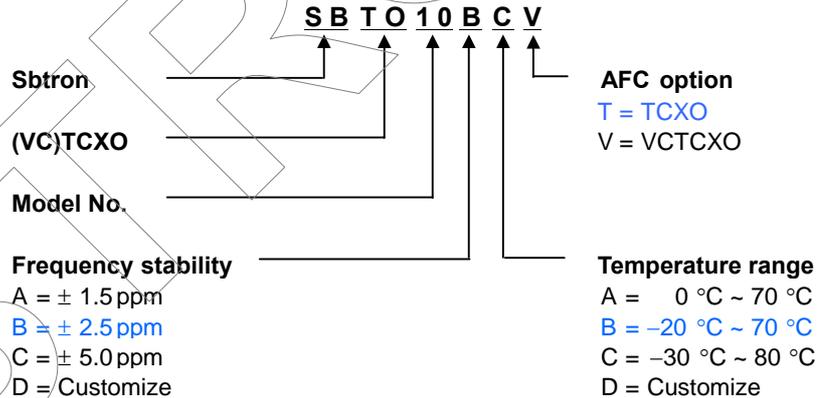
ELECTRICAL SPECIFICATIONS

| | | | |
|-----------------------------|------------------------------------|---------|---------|
| Frequency range | 9.600MHz to 50.000MHz | | |
| Frequency stability | ±1.5ppm | ±2.5ppm | ±5.0ppm |
| | Inclusive of operating temperature | | |
| Operating temperature range | 0 °C ~ 70 °C | | |
| Storage temperature range | -50 °C ~ 105 °C | | |
| Input voltage | +5.0Vdc ±0.5V | | |
| Input current | 15mA max. | | |
| Output wave form | 1Vp-p min. (AC clipped sine wave) | | |
| Input voltage stability | ±0.3ppm max. (at +5.0Vdc ±0.5V) | | |
| Frequency adjustment | ±3.0ppm max. (by internal trimmer) | | |
| Load | 10KΩ // 10pF | | |
| Aging (at 25 °C) | ±1.0ppm max. / year | | |
| AFC characteristic (option) | ±5.0ppm max. (at +2.5Vdc ±2.0V) | | |

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 |

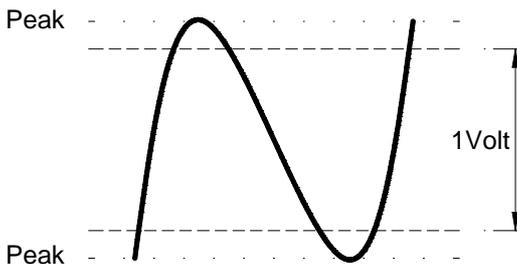
PART NUMBERING GUIDE



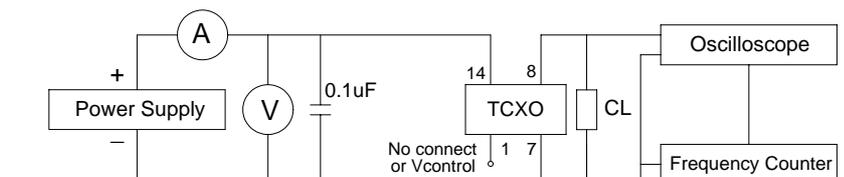
Standard specifications for product indicated in **BLUE** character

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/FREQ.CTR. LOADING CAPACITANCE