

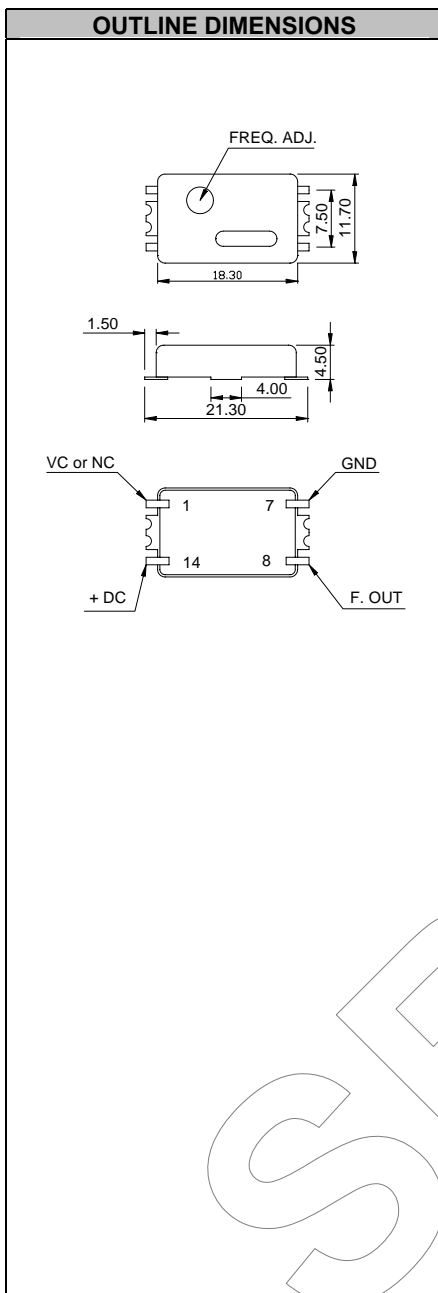
# TCXO SBTO - 13

CMOS WAVE  
SMD PACKAGE

## APPLICATIONS

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

PICTURE  
AREA



### 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	+3.3Vdc ±0.3V	
Input current	35mA max.	25mA max.	
Output wave form	Square wave	Square wave	
"0" / "1" Level	+0.5V max. / +4.5V min.	+0.4V max. / +2.4V min.	
Rise & Fall time	10nS max.	5nS max.	
Input voltage stability	±0.3ppm max.		
Frequency adjustment	±3.0ppm max. (by internal trimmer)		
Load	15pF		
Aging (at 25 °C)	±1.0ppm max. / year		
AFC characteristic (option)	±5.0ppm min. (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

