

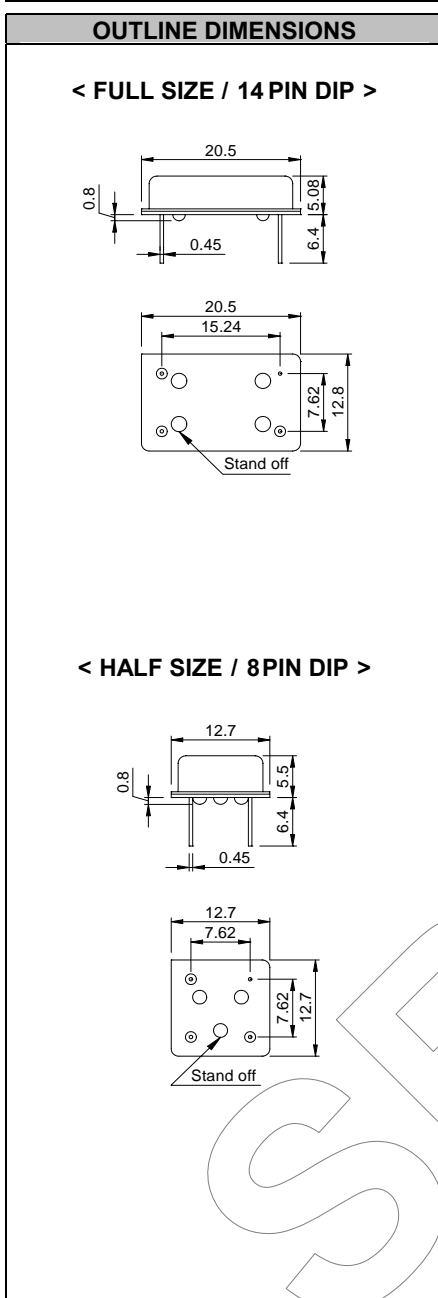
OSCILLATOR SBXO - 15

APPLICATIONS

HIGH FREQUENCY OSCILLATOR
DIP PACKAGE

PICTURE
AREA

- ▶ Suppress jitter
- ▶ SONET
- ▶ OC series
- ▶ Transmission system



ELECTRICAL SPECIFICATIONS	
Frequency range	83.000MHz to 1.000GHz
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	+3.3Vdc ±0.3V +5.0Vdc ±0.5V
Input current	80mA max. 100mA max.
"0" / "1" level	+0.4V max. / +3.0V min. +0.5V max. / +4.5V min.
Duty ratio	60/40% or 40/60% (typical)
Rise & Fall time	8nS max. at +5.0Vdc (+0.5Vdc to +4.5Vdc)
	4nS max. at +3.3Vdc (+0.4Vdc to +2.4Vdc)
Start up time	10mS max. (at +5.0Vdc)
	5mS max. (at +3.3Vdc)
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
Seal integrity	MIL-STD-883C, Method 1014, Condition C & A2
Marking	MIL-STD-202F, Method 215

PART NUMBERING GUIDE

S B X O 15 B A H 3

Sbtron → S

Oscillator → B

Model No. → X O 15

Frequency stability → B

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

Package type → A H

H = Half size / 8 Pin DIP
F = Full size / 14 Pin DIP

Input voltage → 3

3 = 3.3Volt
5 = 5.0Volt

Temperature range → 3

A = 0 °C ~ 70 °C
B = -20 °C ~ 70 °C
C = -30 °C ~ 80 °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.*

