

OCXO SBOC - 20

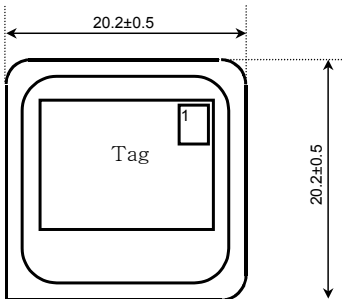
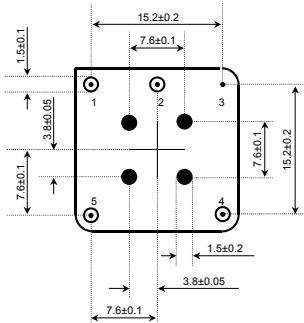
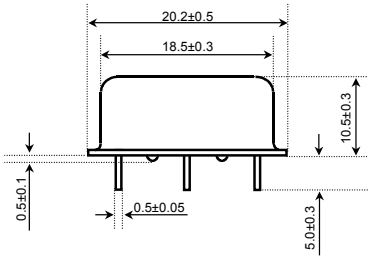
SINE WIVE TTL

Clip SINE WAVE, HCMOS & CMOS

APPLICATIONS

- ▶ PCS Base Station
- ▶ Cellular Base Station
- ▶ Synthesizer
- ▶ Measurement Equipment

OUTLINE DIMENSIONS



Pin no.	Configuration
# 1	Vcc
# 2	output
# 3	GND
# 4	Control voltage
# 5	Reference Voltage N/C

ELECTRICAL SPECIFICATIONS

Frequency range	1.000MHz to 100.000MHz
Frequency Accuracy	±0.1PPM(center control voltage)
Frequency stability	Stability up to ±0.05PPM
Aging (AT Cut)	±0.003PPM/Day, first year±0.5PPM, 10year±3PPM
(AT Cut)	±0.001PPM/Day, first year±0.1PPM, 10year±0.5PPM
Frequency Stability vs Load	±0.02PPM vs ±10% load change
Supply Voltage	+5VDC, +12.0VDC
Frequency Stability vs Voltage	±0.02PPM vs ±5% voltage change
Supply Consumption	3.60W(max.)when warm-up; 1.2W(max.)when
Warm-up Time(AT Cut)	±0.5PPM, <3min.
(AT Cut)	±0.03PPM, <3min.
Adjustable Frequency Range(AT Cut)	±5.0PPM
	±1.0PPM
Control Voltage Range	0-5V
Slope	Positive
Linearity	±10%
Storage Temperature Range	-40~+100°C
Phase Noise	1Hz, -80dBc/Hz 10Hz, -120dBc/Hz 100Hz, -140dBc/Hz 1kHz, -145dBc/Hz 10kHz, -150dBc/Hz

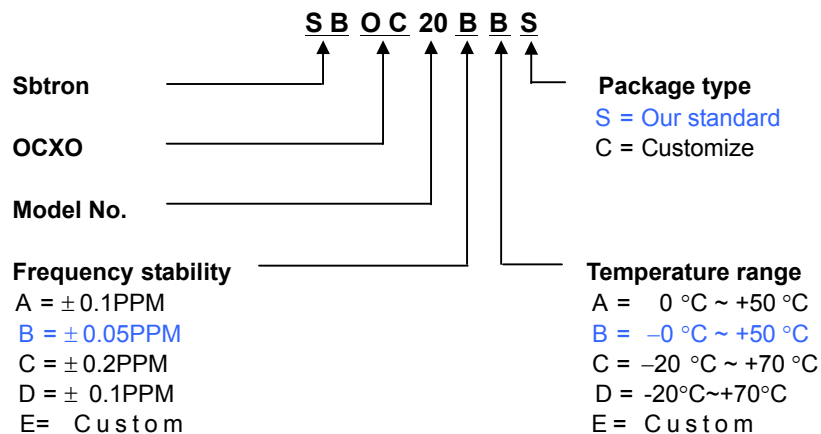
FREQUENCY STABILITY VS TEMPERATURE

CODE		
A	±0.1PPM(AT Cut)	0~+50°C
B	±0.05PPM(SC Cut)	0~+50°C
C	±0.2PPM(AT Cut)	-20~+70°C
D	±0.1PPM(SC Cut)	-20~70°C
E	±0.5ppm(AT Cut)	-40~+75°C
F	±0.3ppm(SC Cut)	-40~+75°C

OUTPUT TYPE AND LOAD CHARACTERISTICS

Clip Sine Wave	Load : 10KΩ / 10pF Output level: >1vp-p
TTL	Load: Max. 10 Low power consumption TTL gates "1" level: > +2.4VDC, "0" Level: < +0.2VDC Duty cycle: 45/55 Rise/fall time: < 6ns
HCMOS	Load: Max. 10 Low power consumption TTL /HCMOS "1" level: > +4.5VDC, "0" Level: < +0.5VDC Duty cycle: 45/55 Rise/fall time: < 6ns

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.

PHASE NOISE GRAPH

