

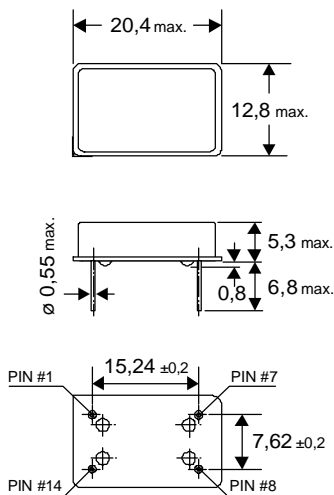


HS CMOS CLOCK OSCILLATOR SXO 2000

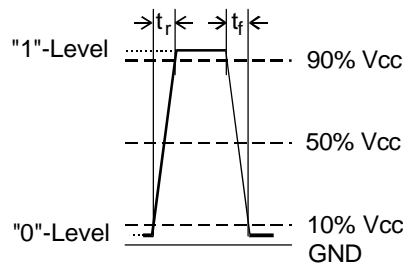


Part No.	SXO-2000C	SXO-2000CHS
Frequency Range	100 kHz to 100 MHz	
Frequency Stability over all conditions	SXO-2050C ± 50 ppm ($\pm 0,005\%$) SXO-2100C ± 100 ppm ($\pm 0,01\%$)	SXO-2050CHS ± 50 ppm ($\pm 0,005\%$) SXO-2100CHS ± 100 ppm ($\pm 0,01\%$)
Operating Conditions		
Operating Temperature	0°C to +70°C	
Storage Temperature	-50°C to +125°C	
Input Voltage (V _{CC})	+5V DC $\pm 0,5V$	
Input Current	10 mA max. 15 mA max. 30 mA max. 50 mA max.	100 kHz to 3,4999 MHz 3,5000 MHz to 29,999 MHz 30,000 MHz to 49,999 MHz 50,000 MHz to 100,000 MHz
Output (0°C to +70°C)		
Symmetry at $\frac{1}{2}$ V _{CC} level	SXO-2000C 50% $\pm 10\%$ SXO-2000C(D) 50% $\pm 5\%$	SXO-2000CHS 50% $\pm 10\%$ SXO-2000CHS(D) 50% $\pm 5\%$
Rise and fall times	10 ns max. (0,5V to V _{CC} -0,5V DC level)	
"0" level	+0,5V max.	
"1" level	V _{CC} - 0,5V min.	
Load		
CMOS	15 pF	
TTL	2 TTL gates or 10 LSTTL gate	

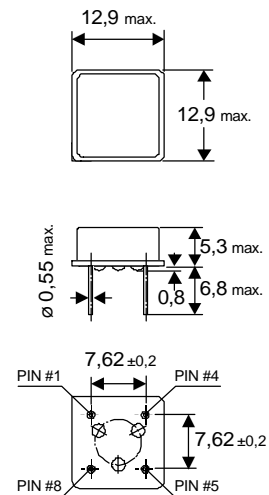
SXO-2000C



OUTPUT WAVEFORM



SXO-2000CHS



PIN	CONNECTION
1	N.C.
7	GND
8	OUTPUT
14	V _{CC}

PIN	CONNECTION
1	N.C.
4	GND
5	OUTPUT
8	V _{CC}