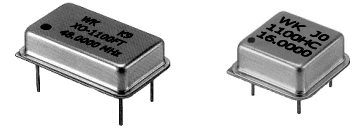




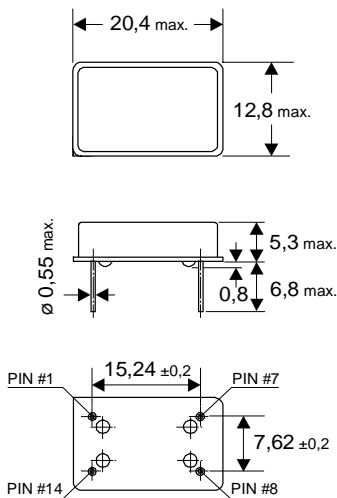
# XO 1000

CLOCK OSCILLATOR Series

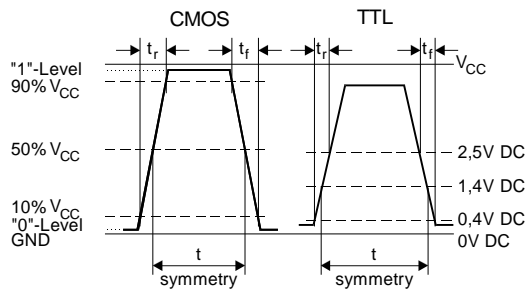


<b>Order Code</b>	<b>XO-1aabcde</b>			
	aa: 10 ±100ppm 05 ±50ppm 03 ±25ppm	b: 0 Pin 1 n.c. 1 Standby 2 Tristate	c: F full size H half size	d: T TTL C CMOS 50pF B CMOS/TTL 15pF D 3,3V CMOS E HCMOS 15pF F CMOS/TTL 50pF
<b>Maker: Hong Kong X'tals</b>	example: XO-1101HC = ±100ppm -10/+70°C half size CMOS output, standby function			
<b>Frequency Range</b>	1 to 100 MHz			
<b>Frequency Stability</b>	±25...100 ppm (tighter tolerances available on request)			
<b>Operating Conditions</b>	Operating Temperature: -10°C to +70°C (option "W" -40 to +85°C) Storage Temperature: -55°C to +125°C			
<b>Input Voltage (V<sub>CC</sub>)</b>	+5V DC ±0,5V		+3,3V DC ±0,3V	
<b>Input Current</b>	TTL	CMOS	3,3V CMOS	
	20 mA max. 35 mA max. 45 mA max.	1,000 ... 2,999 MHz 3,000 ... 31,999 MHz > 32,000 MHz		
<b>Symmetry</b>	40-60% / 45-55% at 1,4VDC		40-60% / 45-55% at ½ V <sub>CC</sub>	
<b>Rise and fall times</b>	< 24 MHz 10 ns max. > 24 MHz 6 ns max.			
"0" level "1" level	< 0,4 V > 2,4 V		< 0,5 V (10% V <sub>CC</sub> ) > 4,5 V (90% V <sub>CC</sub> )	10% V <sub>CC</sub> max. 90% V <sub>CC</sub> min.
<b>Load</b>	1 – 10 TTL		15 pF / 10 LSTTL 15 pF	

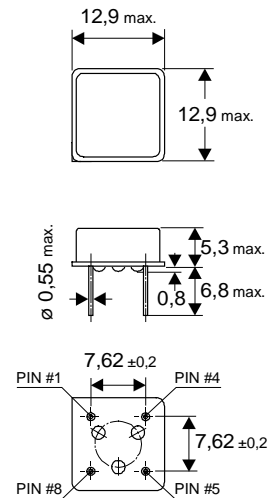
XO-1000F



OUTPUT WAVEFORM



XO-1000H



PIN	CONNECTION
1	N.C. or standby
7	GND
8	OUTPUT
14	V <sub>CC</sub>

ENABLE/DISABLE FUNCTION	
INPUT Pin #1	OUTPUT #8 or #5
open	active
"1"	active
"0"	stop or high Z

PIN	CONNECTION
1	N.C. or standby
4	GND
5	OUTPUT
8	V <sub>CC</sub>