

CLOCK OSCILLATOR

CHARACTERISTICS

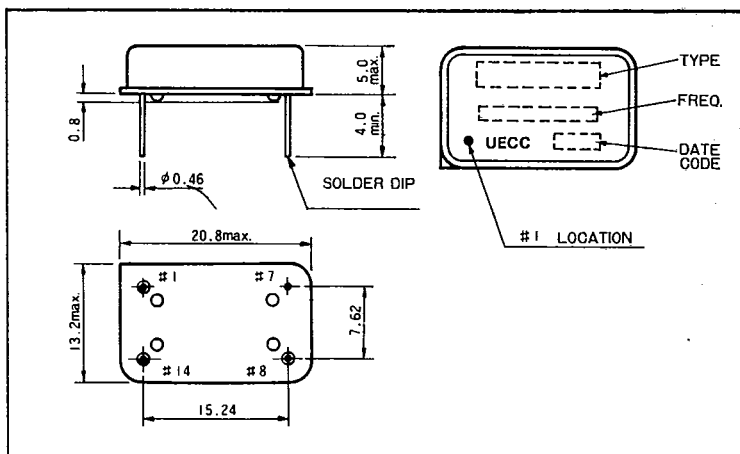
T-50-23

1. With Dip 14 pin IC and compatible terminal arrangement.
2. Keep high reliability to adopt case grounded type metalpackage.

SPECIFICATIONS

TYPE		UXO-127H	UXO-128H	UXO-124	
Output		C-MOS & TTL	C-MOS & TTL	TTL	TTL
Output Frequency		625KHz~24.0MHz	24.0~70.0MHz	3.5~31.9MHz	32.0~70.0MHz
Frequency Tolerance		±100ppm			
Operating Temp. Range		0℃~+70℃			
Storage Temp. Range		-55℃~+125℃			
Output Character	Output Level	C-MOS & TTL Level		TTL Level	
	"0" Level	+0.5V max.		+0.4V max.	+0.5V max.
	"1" Level	+4.5V min.		+2.4V min.	
	Rise & Fall Time (Tr, Tf)	10ns max. (10~90% V _{DD})	6 ns max. (10~90% V _{DD})	4.00~8.99MHz	15ns max. (0.4~2.4V)
		10ns max. (0.5~2.4V)	5 ns max. (0.5~2.4V)	9.00~23.99MHz	10ns max. (0.4~2.4V)
	Output Load	15pF or 10TTL	15pF or 5 TTL	24.00~32.00MHz	10ns max. (0.4~2.4V)
				32.01~70.00MHz	6ns max. (0.4~2.4V)
Symmetry	F<9.99MHz 45/55~55/45 (50% V _{DD}) F≥10 MHz 40/60~60/40 (50% V _{DD})		40/60~60/40 (1.4V DC Level)		
Power Supply Voltage (V _{DD} or V _{CC})		+5.0V DC ±0.5V			
Current Consumption		15mA max.	50mA max.	40mA max.	40mA max.
Standby Function		INH : Open or "H" →Oscillation INH : "L" → F = Z	INH : Open or "H" →Oscillation INH : "L" → F = Z	—	—

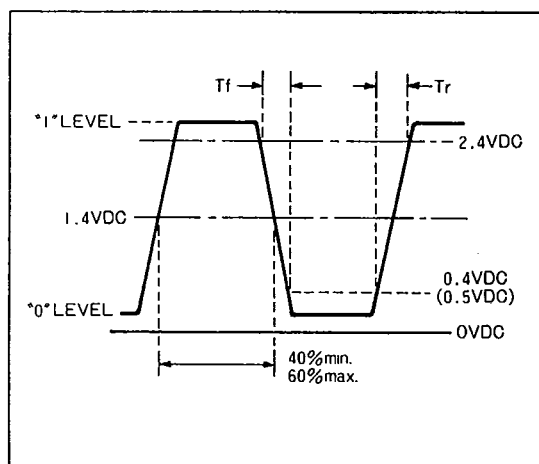
DIMENSIONS (mm)



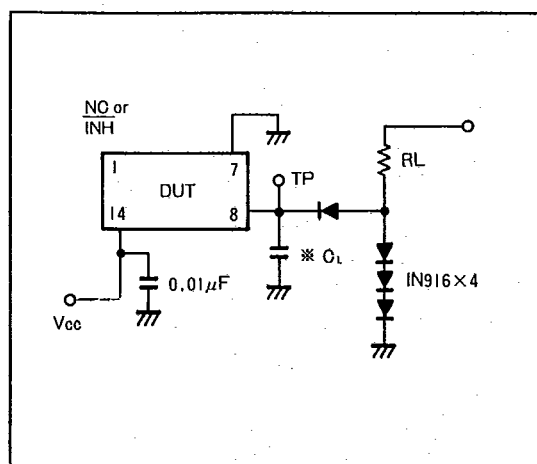
PIN CONNECTION

PIN	TYPE	UXO-127H	UXO-128H	UXO-124
1		INH		N.C.
7		CASE GND		
8		OUTPUT		
14		+5.0V DC		

MEASUREMENT CONDITIONS & OUTPUT WAVE FORM



C-MOS Wave Form

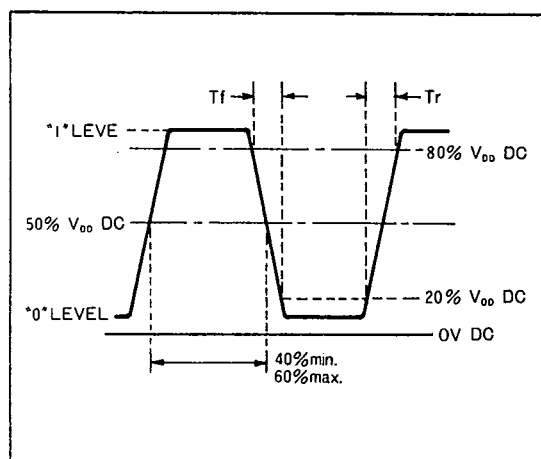


C-MOS Measurement Circuit

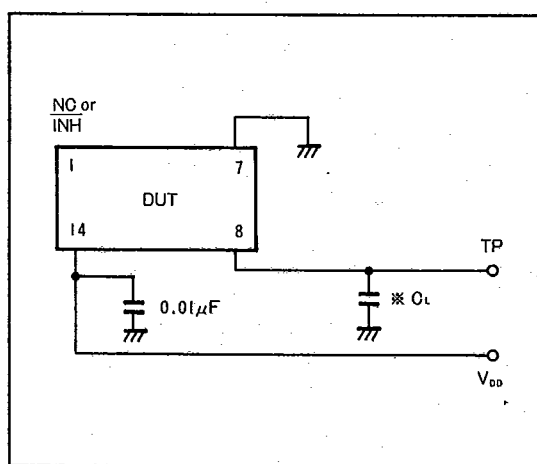
Fan out
1TTL=5LSTTL

TTL	C_L	R_L
1	15pF	4k Ω
2	15pF	2k Ω
5	15pF	800 Ω
10	15pF	400 Ω

* Including Probe and Jigs Capacitance



TTL Wave Form



TTL Measurement Circuit