



Clock Oscillator

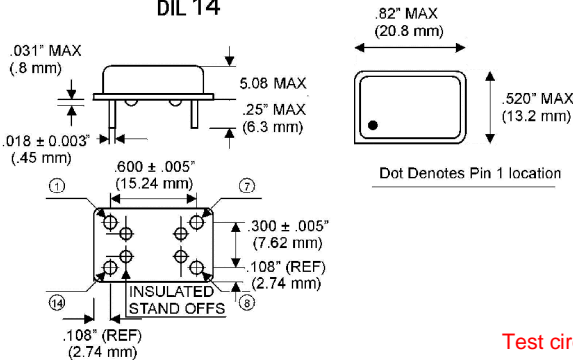
TTL / HCMOS, TRISTATE

+5.0V

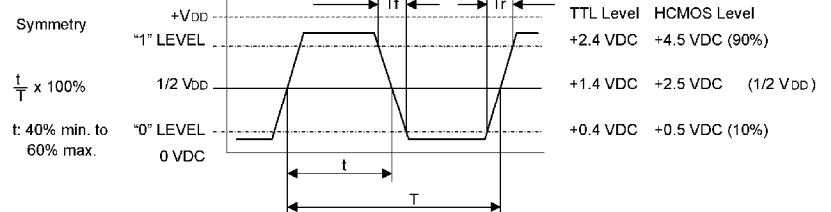
part no.	12.xxxxx
model	KXO-400
package	DIL 14
frequency range	0.5 ~ 100 MHz
frequency stability	standard ±100 ppm available ±25 ppm ~ ±100 ppm
operating temperature range	standard -20°C ~ +70°C available -40°C ~ +85°C (=KXO-405)
storage temperature range	-55°C ~ +125°C
input voltage	+5.0V DC ±10%
input current max.	20mA 0.5 ~ 20MHz 40mA 20.1 ~ 70MHz 60mA 70.1 ~ 100MHz
symmetry	standard 60/40% at 1/2 VDD available 55/45% at 1/2 VDD
rise and fall time max.	10 ns 0.5 ~ 25 MHz 6 ns 25.1 ~ 70 MHz 4 ns 70.1 ~ 100 MHz
"0" level max.	+0.5V (10%V _{DD})
"1" level min.	+4.5V (90%V _{DD})
enable/disable delay time max.	100 ns
output load	1 – 8 TTL or CL = 50 pF typ.
logic family	TTL or HCMOS compatible
packing unit	25 pcs.

Dimensions (mm):

DIL 14

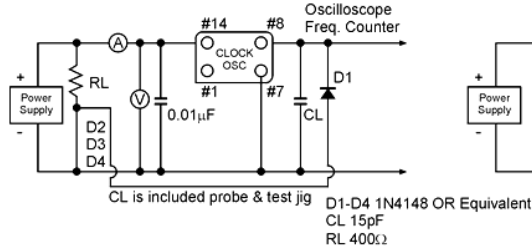


Waveform:

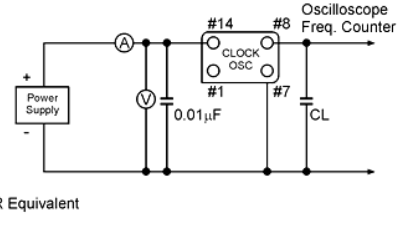


Test circuit:

FOR TTL COMPATIBLE



FOR HCMOS COMPATIBLE



PIN	CONNECTION
#1 (#1)	„L“(OV) „H“(+5V) or OPEN
#7 (#4)	GND
#8 (#5)	Z OUTPUT
#14 (#8)	VDD

Z: high impedance