

Clock Oscillators

晶體時鐘振蕩器

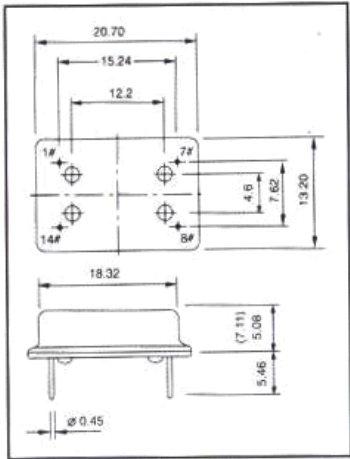
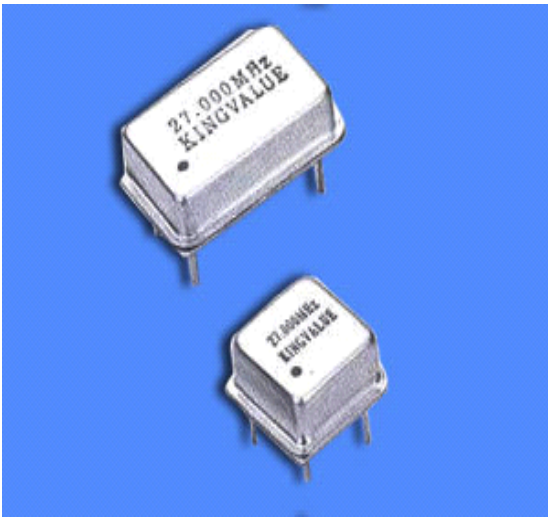
Electrical Specification

一般規格

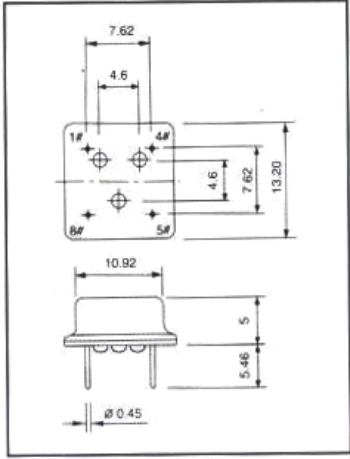
Output Pulse Form	輸出邏輯	TTL	HCMOS	TTL/HCMOS
Frequency Range	頻率範圍	1MHz~155MHz	0.5MHz~80MHz	1MHz~80MHz
Duty Cycle	占空比	40%~60% (1.4V)	40%~60% (1/2V _{DD})	40%~60% (1/2V _{DD})
Control Voltage Range			0.5~4.5V	0~3.3V
Rise/Fall Time	上升/下降空間	15ns (0.5~8.99MHz) 10ns (9~31.99MHz) 6ns (32~155MHz)	10ns (0.5~23.99MHz) 6ns (24~80MHz)	15ns (0.5~23.99MHz) 6ns (24~80MHz)
Low Voltage	低電平	0.4V (0.5~31.99MHz) 0.5V(32~155MHz)	0.5V(10% V _{DD})	0.5V(10% V _{DD})
High Voltage	高電平	2.4V	4.5V(90% V _{DD})	4.5V(90% V _{DD})
Operating Voltage	工作電壓	5V±10%	5V±10%, 3V±10%	5V±10%
Output Load	輸出負載	1~10TTL	CL=15pF	CL=15pF/1~10TTL
Operating Temperature Range	工作溫度	-20℃~+85℃ 0℃~+70℃ 0℃~+60℃		
Storage Temperature Range	貯存溫度	-55℃~+125℃		
Frequency Stability	頻率穩定度	±10ppm ±25ppm ±50ppm ±100ppm		

Dimension (mm)

外觀尺寸



DIL - 14



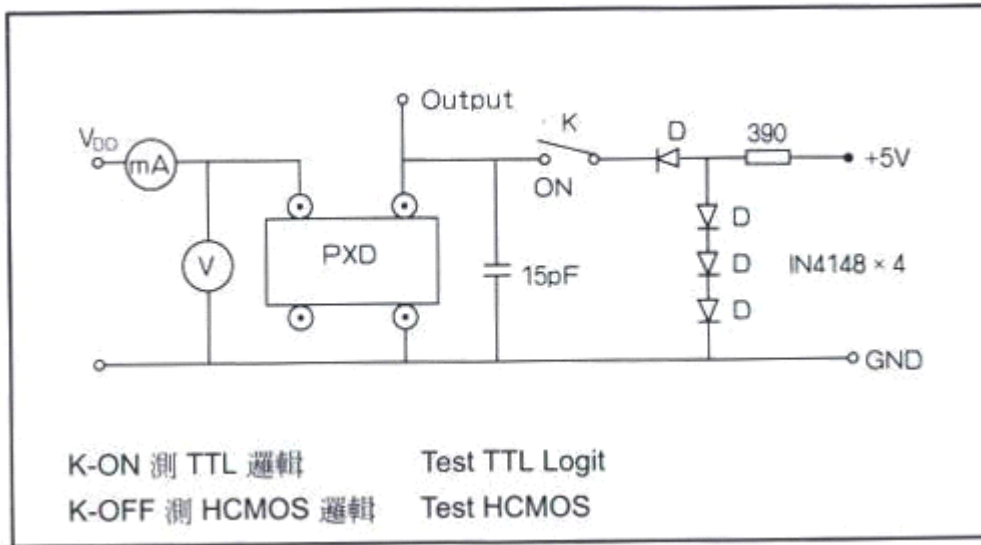
DIL - 08

Pin Function

引腳功能

DIL-14	DIL-08	Function
1	1	NC 空腳
7	4	GND 地
8	5	Output 輸出
14	8	+5V 電源

Circuit Printpcile 測試原理圖



Output Wave Form 輸出波形示意圖

