

TTL/HCMOS CRYSTAL OSCILLATOR 石英晶体振荡器

MCO-1510A / MCO-1510B (FULL SIZE)

■ SPECIFICATIONS 规格

Model 型号	MCO-1510A		MCO-1510B	
Package 封装形式	14Pin Dip(Full Size)		14Pin Dip(Full Size)	
Frequency Range 频率范围 (Fo)	1.000MHz to 100.000MHz		1.000MHz to 70.000MHz	
Frequency Stability 频率稳定性 (f/fo)	A=±25ppm,B=±50ppm,C=±100ppm			
Operating Temperature Range 工作温度范围 (TOPR)	0°C to 70°C,-40°C to 85°C(Available)			
Storage Temp. Range 储存温度范围 (TOPR)	-55°C to 125°C			
Power Supply Voltage 电源电压 (Vdd)	5Vdc±0.5Vdc		3.3Vdc±0.3Vdc	
Aging 老化率 (at25°C)	±5ppm/year Max.			
Supply Current 最大电流(Idd)	1.000MHz to 23.999MHz 20mA Max. 24.000MHz to 50.000MHz 30mA Max. 50.000MHz to 70.000MHz 40mA Max. 70.000MHz to 100.000MHz 60mA Max		1.000MHz to 23.999MHz 10mA Max. 24.000MHz to 50.000MHz 20mA Max.	
Output Symmetry 输出对称 (At50% Vdd)	40 to 60%Normal,45 to 55%Tight			
Rise and Fall Time(Tr,Tf) 10% to 90% of Waveform W/Hcmos Load 上升/下降时间	±5ns Max.			
Output Voltage Logic High 输出电压逻辑高度 (Voh)	4.5V min		2.7Vdc minimum	
Output Voltage Logic Low 输出电压逻辑低度 (Vol)	0.5Vdc max		0.4Vdc max	
Output Load 输出载入	1.000MHz to 40.000MHz	10TTL Load or 50pF HCMOS Load	1.000MHz to 24.000MHz	2TTL Load or 15pF HCMOS Load Max
	40.000MHz to 1000.000MHz	10TTL Load or 15pF HCMOS Load	24.000MHz to 70.000MHz	15pF HCMOS Load Max
pin 1			No Connection	No Connection to Enables Output
Tri-State Tri-情形			Vih	2.2V dc Minimum to Enable Output
Input Voltage 输入电压			Vih	0.8Vdc Max.to disable Out@ut

■ DIMENSIONS 外型尺寸

