

**Model**

**MCO-1510A**

**MCO-1510B**

<b>Package</b>	14Pin Dip(Half Size)	14Pin Dip(Half Size)
<b>Frequency Range (Fo)</b>	1.000MHz to 100.000MHz	1.000MHz to 70.000MHz
<b>Frequency Stability (f/fo)</b>	A=±25ppm,B=±50ppm,C=±100ppm	
<b>Operating Temperature Range (TOPR)</b>	0°C to 70°C,-40°C to 85°C(Available)	
<b>Storage Temp. Range (Tstg)</b>	-55°C to 125°C	
<b>Power Supply Voltage (Vdd)</b>	5Vdc±0.5Vdc	3.3Vdc±0.3Vdc
<b>Aging (at25°C)</b>	±5ppm/year Max.	
	1.000MHz to 23.999MHz 20mA Max.	1.000MHz to 23.999MHz 10mA Max.
	24.000MHz to 50.000MHz 30mA Max.	24.000MHz to 50.000MHz 20mA Max.
	50.000MHz to 70.000MHz 40mA Max.	50.000MHz to 70.000MHz 30mA Max.
	70.000MHz to 100.000MHz 60mA Max.	
<b>Output Symmetry(At50% Vdd)</b>	40 to 60%Normal,45 to 55%Tight	
<b>Rise and Fall Time(Tr,Tf) 10% to 90% of Waveform W/Hcmos Load</b>	±5ns Max.	
<b>Output Voltage Logic High (Voh)</b>	4.5V min	2.7Vdc minimum
<b>Output Voltage Logic Low (Vol)</b>	0.5Vdc max	0.4Vdc max
<b>Output Load</b>	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
<b>pin 1</b>		No Connection
<b>Tri-State Tri-</b>	-	No Connection to Enables Output
<b>Input Voltage</b>		Vih 2.2V dc Minimum to Enable Output
		Vil 0.8Vdc Max.to disable Out@ut

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**Mechanical Dimensions**

