

Independent Dual Output Oscillators: *HCMOS, TTL, or Compatible*

Series CDO

Cardinal dual oscillators are built with two separate crystal blanks to obtain two independent frequencies from one component. It is perfect space-saving device for applications using two microprocessors running at different clock speeds.

Part Numbering Example: CD0 00 1 45 A2 1.8432 / 24.0

CDO	00	1	45	A2	1.8432 /	24.0
SERIES	STABILITY	PACKAGE STYLE	SYMMETRY	OPERATING TEMP.	FREQUENCY	FREQUENCY
CD0	00 = ±100 ppm 50 = ± 50 ppm 25 = ± 25 ppm 10 = ± 10 ppm	1 = Full Size 3 = Full Size, Gull Wing	Blank = 40/60% 45 = 45/55%	Blank = 0°C ~ +70°C A2=-40°C ~ +85°C		

Specifications:

Frequency Range:	$F_1 = 8.0 \text{ MHz} \sim 32.00 \text{ MHz}$					
	$F_2 = 8.00 \text{ MHz} \sim 50.00 \text{ MHz}$					
Frequency Stability:	±100 ppm	Standard				
	±50 ppm					
Operating Temperature:	0°C ~ +70°C	Standard				
Storage Temperature:	-55°C ~ +125°C					
Input Voltage:	+5.0 VDC ± 10%					
Input Current:	30 mA Max					
Output Voltage:	Output '0' Level +0.5V Max	Output '1' Level +4.5V Min				
Symmetry:	40/60 % @ 1/2 VDD					
Rise/Fall Time:	10 ns Max					
Output Load:	10 LS TTL, 15 pF					
Packaging:	Style 1 Full Size. See Dip Package Dimensions Guide					

Popular Frequency Combinations in MHz:

1.8432 / 24.000
10.240 / 16.000
10.240 / 20.000
14.31818 / 16.000
14.31818 / 16.09824
14.31818 / 24.000
14.31818 / 48.000
16.000 / 20.000
16.257 / 16.872
25.175 / 28.321
25.175 / 28.322

CDO

STYLE 1 FULL SIZE 14 PIN DIP

