



AQO 14

Features:

- Standard DIL14 package
- Low cost to performance
- Tolerance and stability to  $\pm 25$ ppm

Specifications		AQO 14			Remarks
Frequency range		1MHz ~ 160MHz			
Frequency stability		$\pm 25$ ppm, $\pm 50$ ppm or $\pm 100$ ppm			
Operating temperature (std)		0°C ~ +70°C			Others are offered
Storage temperature		-40°C ~ +85°C			
Input	Voltage		3.3Vdc $\pm 10\%$	5Vdc $\pm 10\%$	Please specify
	Current	1.0000 ~ 20MHz	15 mA max	20 mA max	
		20.001 ~ 40MHz	25 mA max	30 mA max	
		40.001 ~ 80MHz	35 mA max	40 mA max	
		80.001 ~ 125MHz	45 mA max	50 mA max	
125.00 ~ 160MHz	75 mA max	80 mA max			
Output Symmetry	40% ~ 60%(1.4Vdc) or 40% ~ 60%(0.5Vdd)				
Output	Rise time	10ns			Max
	Fall time	10ns			Max
	Voltage $V_{ol}$	0.4Vdc max or 0.1Vdd max			
	Voltage $V_{oh}$	2.4Vdc min or 0.9Vdd min			
	Current $I_{ol}$	<25MHz, 16mA max or >25MHz, 8mA max			
Current $I_{oh}$	-4mA min or -8mA min				
Start-up time	10ms			Max	
Aging	$\pm 5$ ppm			At 25°C per year max	
Output waveform	CMOS, TTL, compatible				
Shock	Random drop on hard wooden plate 3 times from a height of 50cm				

Drawing																	
AQO 14																	
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Dimensions in mm																	

Order key						
<b>O</b>	<b>- 10.000000M</b>	<b>- AQO 14</b>	<b>- 50</b>	<b>- 5.0</b>	<b>- A</b>	<b>- T</b>
<b>Part</b>	<b>Frequency</b>	<b>Type/Package</b>	<b>Tolerance</b>	<b>Voltage</b>	<b>Temperature</b>	<b>Option</b>
O=Oscillator	M=MHz	AQO=Quartz oscillator 14=DIL 14	$\pm$ ppm	5,0=5,0Volt 3,3=3,3Volt 2,5=2,5Volt	A= 0°C - 70°C B=-10°C - 60°C C=-10°C - 70°C D=-20°C - 70°C E=-40°C - 85°C J= 0°C - 50°C K= -30°C - 75°C	T=Tristate 3=Load 30pF 5=Load 50pF L=low power X=Special options

Remarks: All specifications subject to change without notice!