

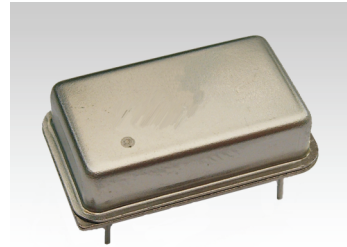
Oscillator THT, clock-type

AQO 14

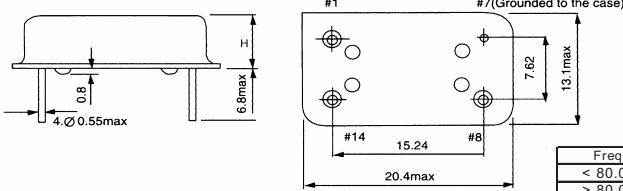


Features:

- Standard DIL14 package
- Low cost to performance
- Tolerance and stability to ± 25 ppm
- Tristate or power down available



Specifications					
		AQO 14			Remarks
Frequency range		1MHz ~ 160MHz			
Frequency stability		± 25 ppm, ± 50 ppm or ± 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		± 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  <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Pin</th><th>Connection</th></tr> </thead> <tbody> <tr> <td>#1</td><td>NC/control</td></tr> <tr> <td>#7</td><td>GND</td></tr> <tr> <td>#8</td><td>Output</td></tr> <tr> <td>#14</td><td>+VDD</td></tr> </tbody> </table> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Frequenz</th><th>H</th></tr> </thead> <tbody> <tr> <td>< 80.0 MHz</td><td>5.3 mm</td></tr> <tr> <td>> 80.0 MHz</td><td>7.7 mm</td></tr> </tbody> </table>		Pin	Connection	#1	NC/control	#7	GND	#8	Output	#14	+VDD	Frequenz	H	< 80.0 MHz	5.3 mm	> 80.0 MHz	7.7 mm
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Dimensions in mm																	

Order key								
O	- 10.000000M	- AQO 14	- 50	- 5.0	- A	-	/ T	/
Part	Frequency	Type/Package	Tolerance	Voltage	Temperature	Load	Option	Packaging
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	blank = 15pF 3 = 30pF 5 = 50pF	T = Tristate P = Power down	blank = Tray