

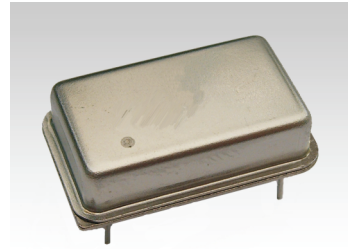
Oscillator THT, clock-type

AQO 14

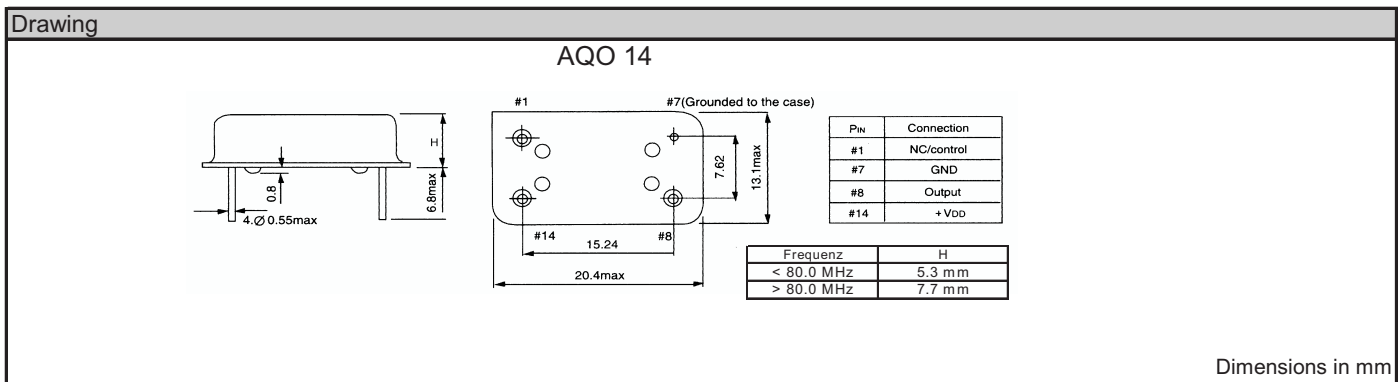


Features:

- 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			



Order key								
Part	Frequency	Type/Package	Tolerance	Voltage	Temperature	Load	Option	Packaging
O	- 10.000000M	- AQO 14	- 50	- 5.0	- A	-	/ T	/
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