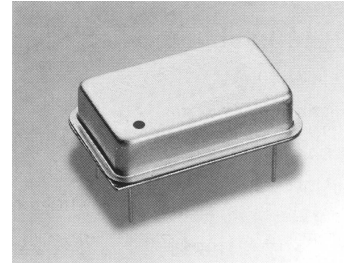


Oscillator THT, clock-type

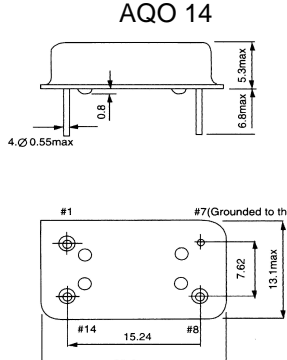


AQO 14

Features:

- Standard 14 pin DIL package
- Low cost to performane
- 2.5 volt available
- Tolerance and stability to ± 25 ppm

Specifications			
		AQO 14	Remarks
Frequency range		1MHz ~ 160MHz	
Frequency stability		± 50 ppm or ± 25 ppm	
Operating temperature (std)		-0°C ~ +70°C	Others are offered
Storage temperature		-55°C ~ +125°C	
Input	Voltage	5Vdc $\pm 10\%$ or 3.3Vdc $\pm 10\%$ or 2.5Vdc $\pm 10\%$	Please specify
	Current	1.0000 ~ 20MHz, 20mA (5.0V)	Max
		20.001 ~ 40MHz, 30mA (5.0V)	Max
		40.001 ~ 80MHz, 40mA (5.0V)	Max
	80.001 ~ 125MHz, 50mA (5.0V)	Max	
Output Symmetry	40% ~ 60%(1.4Vdc) or 40% ~ 60%(0.5Vdd)		
Output	Rise time	10ns	Max
	Fall time	10ns	Max
	Voltage Vol	0.4Vdc max or 0.1Vdd max	
	Voltage Voh	2.4Vdc min or 0.9Vdd min	
	Current Iol	<25MHz, 16mA max or >25MHz, 8mA max	
	Current Ioh	-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											
<p>AQO 14</p> 											
<table border="1"> <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>	Pin	Connection	#1	NC/control	#7	GND	#8	Output	#14	+VDD	
Pin	Connection										
#1	NC/control										
#7	GND										
#8	Output										
#14	+VDD										

Order key						
Part	Frequency	Type/Package	Tolerance	Voltage	Temperature	Opion
O	- 10.000000M	- AQO 14	- 50	- 5.0	- D	- T
O=Oscillator	M=MHz	AQO=Quartz oscillator 14=DIL 14	+/-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	T=Tristate 3=Load 30pF 5=Load 50pF L=low power X=Special options

Remarks: All specifications subject to change without notice!