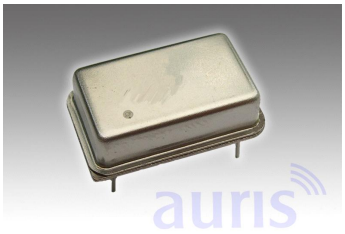
Features

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

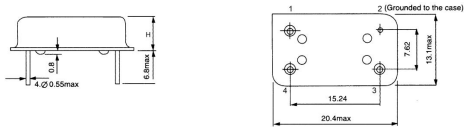


AQO14

Specification

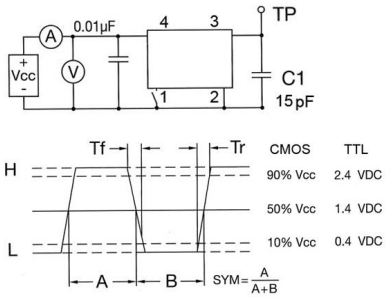
Type	AQO14 CMOS/TTL		Supply Current (5V)
Frequency Range	1,0MHz ~ 180,0 MHz		1,0MHz ~ 25,0MHz = 15mA
Frequency Tolerance at 25°C±5°C	standard ±50ppm; available ±20 ~ ±100ppm		25,0MHz ~ 50,0MHz = 30mA
Power Supply (Vdd)	+5,0V D.C. ±10% / +3,3V D.C. ±10%		50,0MHz ~ 80,0MHz = 40mA
Operating Temperature Range	0°C ~ +70°C ~ -40°C ~ +85°C		80.0MHz ~ 180,0 MHz = 50mA
Output Signal/Load	CMOS/15pF (30pF/50pF opional) / 10LS TTL max.		
Output Symmetry	40/60% (45/55% optional)		
Output Voltage	90% of Vddmin. / 10% of Vdd max.		
Rise/Fall Time	10ns max. (10% to 90% Vdd)		
Start Up Time	10ms max. <5ms typical		Operating Temperature Range (ppm)
Aging	±5ppm/year max		0°C ~ +70°C standard ±50 available ±20 ~ ±100
Storage Temperature	-55°C - +125°C		-40°C ~ +85°C standard ±50 available ±20 ~ ±100
RoHS	according to RoHS 2011/65/EU		
Contents Of Tray	50 pcs		

Drawing (mm)

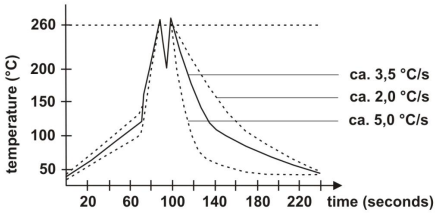


PIN	Connection	
1	Low	High or Open
2	GND	
3	Z	Output
4	VDD	

Test Circuit/Waveform



Soldering profile



Order code

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	±ppm	5.0=5.0Volt 3.3=3.3Volt	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	blank = 15pF 30pF 50pF	T = Tristate	blank = Tray