



Features:

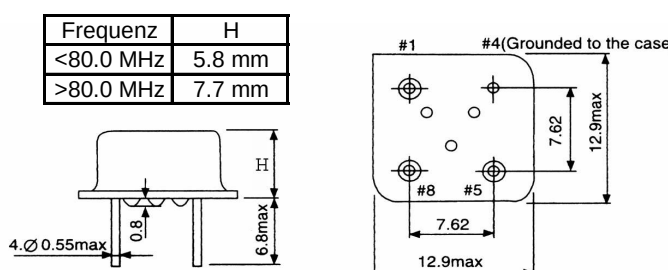
- Standard DIL 8 package
- Low cost to performane
- Tolerance and stability to $\pm 25\text{ppm}$
- Tristate or power down available



AQO 08

Specifications					
		AQO 08			Remarks
Frequency range		1MHz ~ 160MHz			
Frequency stability *		±25ppm, ±50ppm or ±100ppm			
Operating temperature (std)		0°C ~ +70°C ~ -40°C - 85°C			Others are offered
Storage temperature		-40°C ~ +85°C			
Input	Voltage		3.3Vdc ±10%	5Vdc ±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% / 45% ~ 55%(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		±5ppm			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			

* Inclusive of initial frequency tolerance at 25°C, operating temperature range, supply voltage change, load variation and 1st year aging.

Drawing																	
AQO 08 <table border="1" style="margin-bottom: 10px;"> <tr> <th>Frequenz</th><th>H</th></tr> <tr> <td><80.0 MHz</td><td>5.8 mm</td></tr> <tr> <td>>80.0 MHz</td><td>7.7 mm</td></tr> </table>  <table border="1" style="margin-left: 200px;"> <tr> <th>Pin</th><th>Connection</th></tr> <tr> <td>1</td><td>NC/control</td></tr> <tr> <td>4</td><td>GND</td></tr> <tr> <td>5</td><td>Output</td></tr> <tr> <td>8</td><td>+VDD</td></tr> </table>		Frequenz	H	<80.0 MHz	5.8 mm	>80.0 MHz	7.7 mm	Pin	Connection	1	NC/control	4	GND	5	Output	8	+VDD
Frequenz	H																
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Pin	Connection																
1	NC/control																
4	GND																
5	Output																
8	+VDD																
Dimensions in mm																	

Order key								
O	- 10.000000M	- AQO 08	- 50	- 5.0	- A	-	/ T	/
Part	Frequency	Type/Package	Tolerance	Voltage	Temperature	Load	Option	Packaging
O=Oscillator	M=MHz	AQO=Quartz oscillator 08=DIL 8	$\pm\text{ppm}$	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	blank = 15pF 3 = 30pF 5 = 50pF	T = Tristate P = Power down	blank = Tray