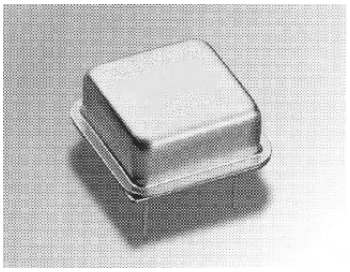
Oscillator THT, clock-type

RoHS 2002/95/EC



AQO 08

Features:

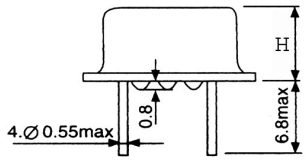
- Standard DIL 8 package
- Low cost to performane
- Tolerance and stability to ±25ppm

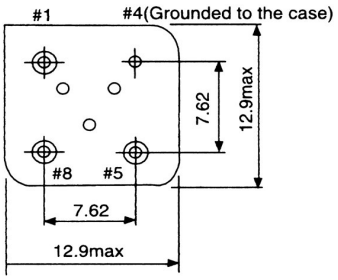
Specifications					
		AQO 08			*Remarks*
Frequency range		1MHz ~ 160MHz			
Frequency stability		±25ppm, ±50ppm or ±100ppm			
Operating temperature (std)		0°C ~ +70°C ~ -40°C - 85°C			Others are offered
Storage temperature		-40°C ~ +85°C			
Input	Voltage		3.3Vdc ±10%	5Vdc ±10%	Please specify
	Current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

Drawing

AQO 08

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

Dimensions in mm

Order key

O	**- 10.000000M**	**- AQO 08**	**- 50**	**- 5.0**	**- A**	**- T**
Part	**Frequency**	**Type/Package**	**Tolerance**	**Voltage**	**Temperature**	**Option**
O=Oscillator	M=MHz	AQO=Quartz oscillator 08=DIL 8	±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!