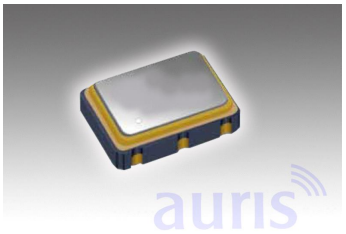
Features AQO-Series

RoHS compliant
REACH compliant
Conflict mineral free

- Pick and place assembly
- Good price/performance ratio
- Low supply voltage version available
- Small size

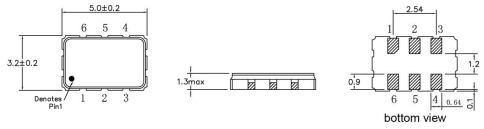


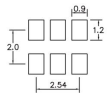
AQO5032 LVDS

Specification

Type	AQO5032 LVDS		Supply Current
Frequency Range	13,50MHz ~ 212,50MHz		60mA max.
Frequency Tolerance at 25°C±5°C	±20ppm / ±30ppm / ±50ppm		
Power Supply (Vdd)	+1,8V /+2.5V / +3,3V D.C. ±10%		
Operating Temperature Range	-20°C ~ +70°C/-40°C ~ +85°C		
Output Signal / Load	LVDS / 100 ohm		
Output Symmetry	45%/55%		
Output Voltage	VOH Vdd 1,4V typ. / VOL Vdd 1,1Vtyp.		
Rise/Fall Time	1ns max		
Start Up Time	10ms max. <5ms typical		
Aging	±5ppm/year max		Operating Temperature Range (ppm)
Storage Temperature	-55°C - +125°C		-20°C ~ +70°C standard ±30 available ±10 ~ ±50
RoHS	compliant		-40°C ~ +85°C standard ±50 available ±10 ~ ±50
Contents Of Reel	1000 pcs		

Drawing (mm)



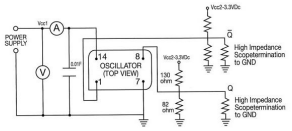


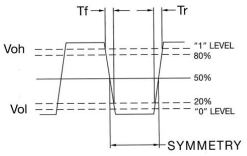
soldering pattern

PIN CONNECTION

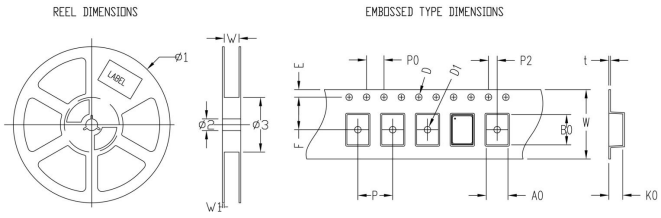
PIN	
1	ENABLE/DISABLE*
2	NO CONNECT
3	CASE GROUND
4	OUTPUT
5	COMP.OUTPUT
6	+Vcc

Test Circuit/Waveform





Tape dimension (mm)



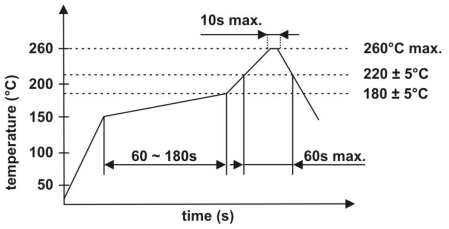
ITEM	Ø1±0.5	Ø2±0.25	Ø3±0.3	W±0.2	W1±0.25
12mm	178	13.2	62.5	12.4	2

ITEM	W±0.3/0.1	A0±0.1	B0±0.1	K0±0.1	P±0.1	F±0.1	t±0.05	Qty
5032	12.0	3.6	5.4	1.5	8.0	5.5	0.3	1000

E=1.75±0.1、 D=1.5±0.1、 D1=1.5+0.25/-0.0、 P0=4.0±0.1、 P2=2.0±0.1

package 5032

Soldering profile



Order code

O	- 18.000000M	- AQO 5032/6	- 50	- 3.3	- A	- T	/ TR
Part	**Frequency**	**Type**	**Tolerance**	**Voltage**	**Temperature**	**Tristate**	**Packaging**
O=Oscillator	M=MHz	AQO=Quartz oscillator AQO 5032=SMD 5x3,2 /6 = 6 Pad	±ppm	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	Pin 1 connected	TR = tape + reeled