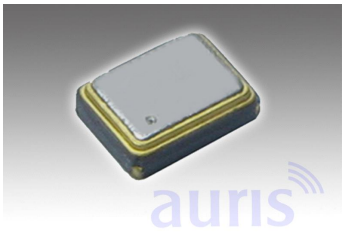
Features AQO-Series

RoHS compliant
REACH compliant
Conflict mineral free

- Small size 3,2x2,5mm
- Good price/performance ratio
- Excellent for laptop and handheld PDA`s
- Power down or standby available

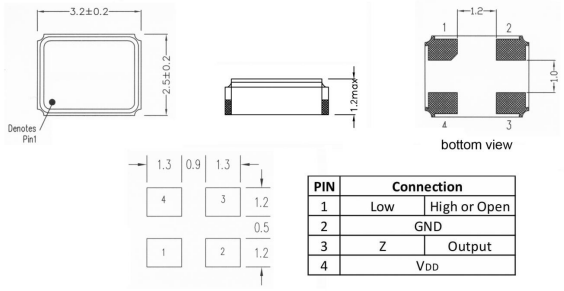


AQO3225

Specification

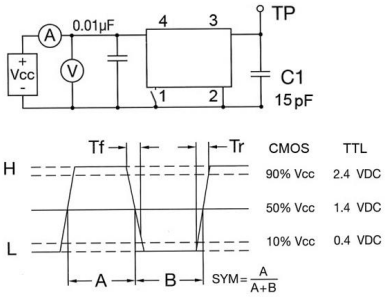
Type	AQO3225 CMOS		Supply Current
Frequency Range	1,0MHz ~ 160,00MHz		1,0MHz ~ 20,0MHz = 5~15mA
Frequency Tolerance over all*	available ±20 ~ ±100ppm		20,0MHz ~ 40,0MHz = 7~20mA
Power Supply (Vdd)	0,8 ~ 5,0V		41,0MHz ~ 60,0MHz = 10~25mA
Operating Temperature Range	0°C ~ +70°C, or order code		
Output Signal/Load	CMOS/15pF (30pF optional)		
Output Symmetry	40/60% (45/55% optional)		
Output Voltage	90% of Vddmin. / 10% of Vdd max.		
Rise/Fall Time	10ns max. <5ns typical (10% to 90% Vdd)		Operating Temperature Range (ppm)
Start Up Time	10ms max. <4ms typical		-20°C ~ +70°C standard ±50 available ±10 ~ ±100
Aging	±5ppm/year max		-40°C ~ +85°C standard ±50 available ±10 ~ ±100
Storage Temperature	-55°C - +125°C		Extended temperature range up to +125°C on request
RoHS	compliant		
Contents Of Reel	3000 pcs		*Incl. tol. at 25°C, temp. range, Vdd and load change, aging

Drawing (mm)

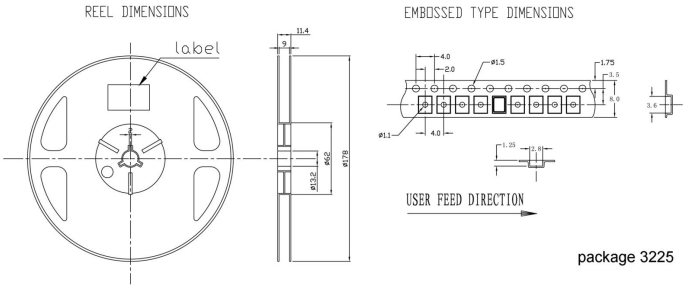


PIN	Connection	
1	Low	High or Open
2	GND	
3	Z	Output
4	VDD	

Test Circuit/Waveform

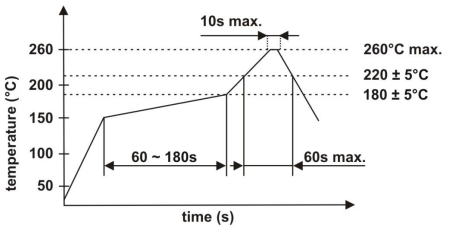


Tape dimension (mm)



package 3225

Soldering profile



Order code

O	- 10.000000M	- AQO 3225	- 50	- 3.3	- A	-	- T	/ TR
Part	**Frequency**	**Type**	**Tolerance**	**Voltage**	**Temperature**	**Load**	**Tristate**	**Packaging**
O=Oscillator	M=MHz	AQO=Quartz oscillator AQO 3225=SMD 3.2x2.5	±ppm	5.0=5.0Volt 3.3=3.3Volt 2.5=2.5Volt 1.8=1.8Volt	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	Pin 1 connected	TR = tape + reeled