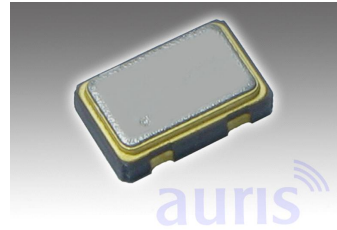


Features AQO-Series

- Small size 5,0x3,2mm
- Good price/performance ratio
- Excellent for small size applicatopn
- Power down or standby available

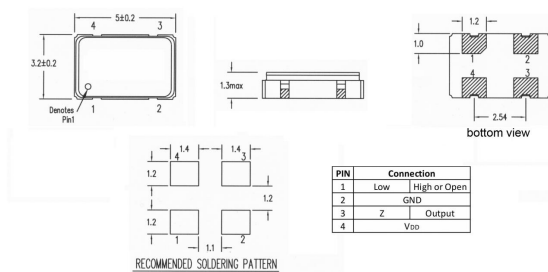


AQO5032

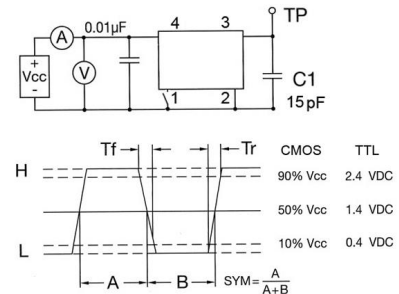
Specification

Type	AQO5032 CMOS	
Frequency Range	1,0MHz ~ 160,00 MHz	Supply Current 1,0MHz ~ 20,0MHz = 6~15mA
Frequency Tolerance over all*	available ±20 ~ ±100ppm	20,0MHz ~ 50,0MHz = 15~35mA
Power Supply (Vdd)	0,8 ~ 5,0V	50,0MHz ~ 100,0MHz = 20~60mA
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)	
Start Up Time	10ms max. <4ms typical	Operating Temperature Range (ppm)
Aging	±5ppm/year max	-20°C ~ +70°C standard ±50 available ±10 ~ ±100
Storage Temperature	-55°C - +125°C	-40°C ~ +85°C standard ±50 available ±10 ~ ±100
RoHS	compliant	Extended temperature range up to +125°C on request
Contents Of Reel	1000 pcs	*Incl. tol. at 25°C, temp. range, Vdd and load change, aging

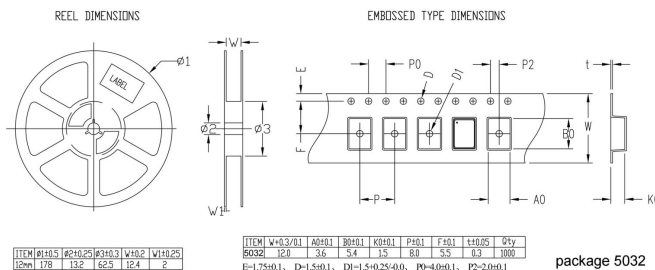
Drawing (mm)



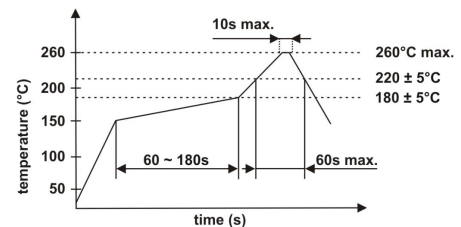
Test Circuit/Waveform



Tape dimension (mm)



Soldering profile



Order code

Part	Frequency	Type	Tolerance	Voltage	Temperature	Load	Tristate	Packaging
O	- 10.000000M	- AQO 5032	- 50	- 5.0	- A	-	- T	/ TR
O=Oscillator	M=MHz	AQO=Quartz oscillator	±ppm	5.0=5.0Volt	A= 0°C ~ +70°C	blank = 15pF	Pin 1 connected	TR = tape + reeled
		AQO 5032=SMD 5x3,2		3.3=3.3Volt	B= -10°C ~ +60°C	3 = 30pF		
				2.5=2.5Volt	C= -10°C ~ +70°C			
				1.8=1.8Volt	D= -20°C ~ +70°C			
					E= -40°C ~ +85°C			