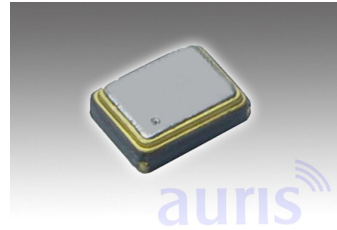


Features AQO-Series

- Small size 2,5x2mm
- Good price/performance ratio
- Excellent for laptop and handheld PDA's
- Power down or standby available

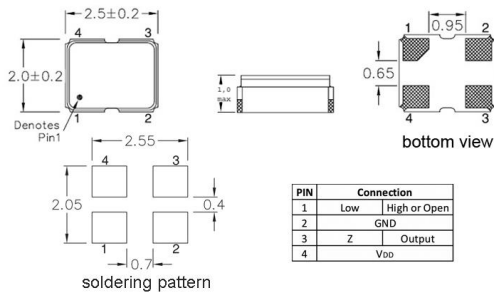


AQO2520

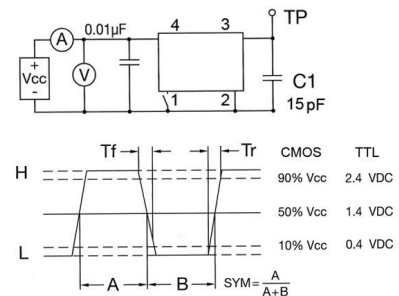
Specification

Type	AQO2520 CMOS	
Frequency Range	1,0MHz ~ 160,00MHz	Supply Current
Frequency Tolerance over all*	available $\pm 20 \sim \pm 100$ ppm	1,0MHz ~ 19,99MHz = 5~15mA
Power Supply (Vdd)	0,8 ~ 5,0V	20,0MHz ~ 39,99MHz = 6~20mA
Operating Temperature Range	0°C ~ +70°C, or order code	40,0MHz ~ 80,0MHz = 10~25mA
Output Signal/Load	CMOS/15pF	
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 $\pm 10 \sim \pm 100$
Aging	± 5 ppm/year max	-40°C ~ +85°C standard ± 50 available $\pm 10 \sim \pm 100$
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

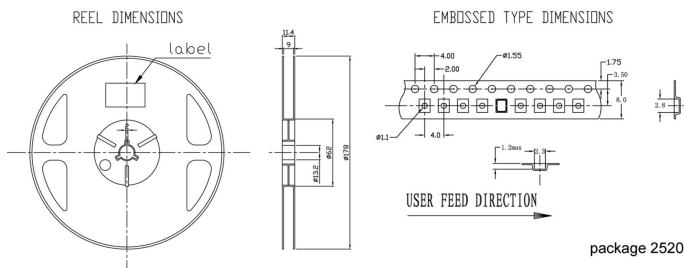
Drawing (mm)



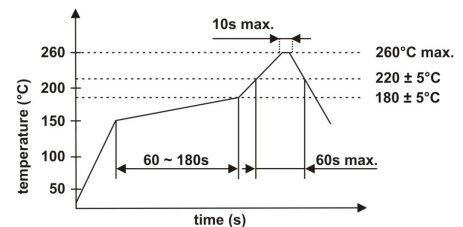
Test Circuit/Waveform



Tape dimension (mm)



Soldering profile



Order code

Part	Frequency	Type	Tolerance	Voltage	Temperature	Load	Tristate	Packaging
O	- 10.000000M	- AQO 2520	- 50	- 3.3	- A	-	- T	/ TR
O=Oscillator	M=MHz	AQO=Quartz oscillator AQO 2520=SMD 2.5x3.2	\pm 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	Pin 1 connected	TR = tape + reeled