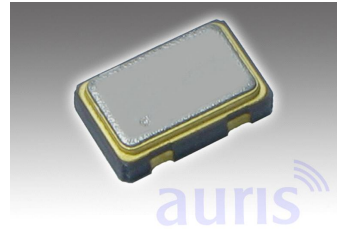


Features

- Small size 5x3,2mm
- Temperature-compensated
- High accuracy

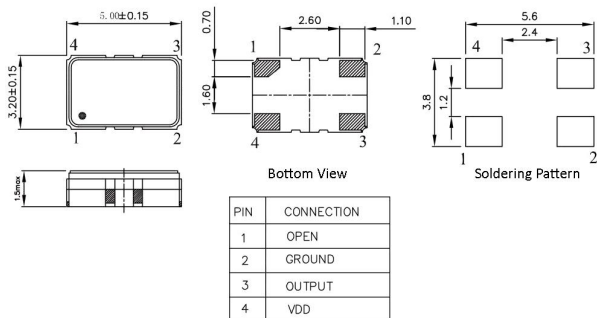


ATCQO5032

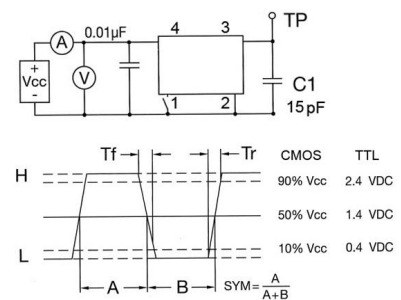
Specification

| Type | ATCQO5032 CMOS | |
|-----------------------------|---|---|
| Frequency Range | 2,50MHz ~ 54,00MHz | |
| Frequency Tol. (25°C±3°C) | ±0,5ppm, ±1,0ppm, ±1,5ppm, ±2,0ppm, ±2,5ppm | Frequency Stability |
| Power Supply (Vdd) | 1,8V; 2,5V; 3,0V; 3,3V | vs. operating Temp. (ppm): ±0,5; ±1,0; ±1,5; ±2,0; ±2,5 |
| Supply Current (Idd) | 2,50MHz ~ 54,00MHz = 10mA max. | vs. Voltage Change (±5%) (ppm): ±0,3 |
| Operating Temperature Range | 0°C ~ +70°C ~ -40°C ~ +85°C | vs Load Change (±5%) (ppm): ±0,3 |
| Output Load | 15pF | vs Aging (first Year): (ppm): ±1,0 |
| Output Symmetry | 45~55%(VT=1/2Vdd) | |
| Rise/Fall Time | 10ns max. | |
| Start Up Time | 10ms max. <5ms typical | |
| Storage Temperature | -40°C - +85°C | |
| RoHS | compliant | |
| Contents Of Reel | 1000 pcs | |

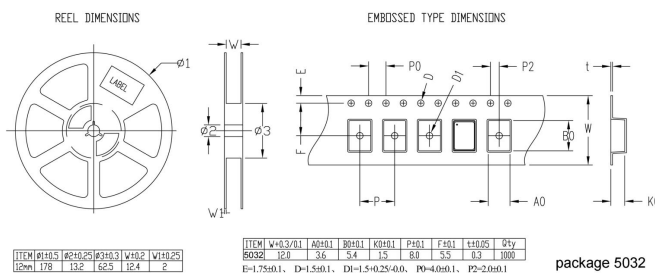
Drawing (mm)



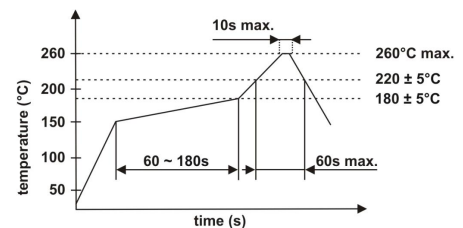
Test Circuit/Waveform



Tape dimension (mm)



Soldering profile



Order code

| Part | Frequency | Type/Package | Tolerance 25°C | Tolerance | Voltage | Temperature | Option |
|--------------|--------------|--------------|----------------|-----------|--|--|---|
| O | - 20.000000M | - ATCQO 5032 | - 1,5 | - 2,5 | - 3,3 | - E | - TR |
| O=Oscillator | M=MHz | ATCQO= | ±ppm | ±ppm | 3,3=3,3Volt 3,0=3,0Volt 2,8=2,8Volt 2,5=2,5Volt 2,0=2,0Volt 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 | TR=Tape and reeled X=Special options |

Please mention the output signal CMOS when ordering.