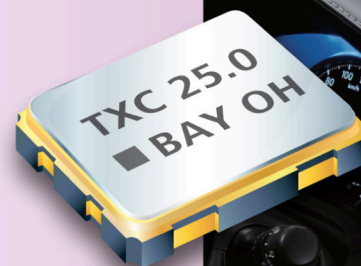


SMD Oscillators- CMOS Output 5.0 x 3.2 x 1.2 mm AC Series

Features

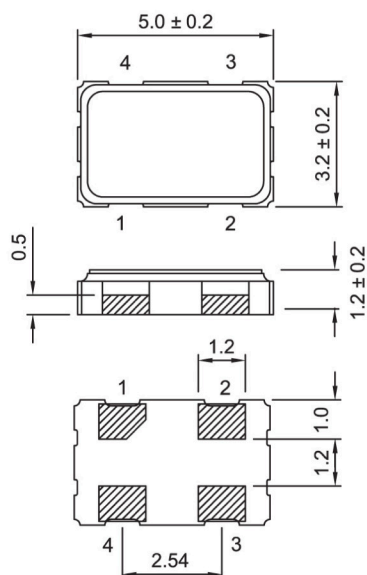
- Ultra small SMD seam sealed clock crystal oscillator units.
- High precision characteristic covering up to high frequency range.
- Designed for automatic mounting and reflow soldering.
- Optionable stand-by function for output: Tri-state output.
- Supply voltage range : 1.8 V ~ 5.0 V.
- High stability, low jitter , low power consumption.
- RoHS Compliant / Pb Free.
- 32.768 KHz CXO available.



Electrical Specifications

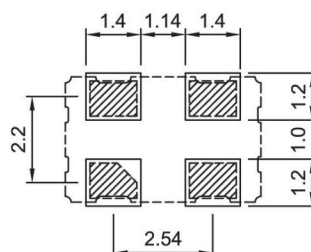
Item / Type	AC	
Output Type	CMOS	
Output Load	15 pF , 30 pF	
Oscillation Mode	Fundamental / 3rd Overtone	
Supply Voltage	1.8 V , 2.5 V , 3.3 V , 5.0 V	
Frequency Range	1 ~ 150 MHz	
Frequency Stability	± 50 ppm	
Operating Temperature Range	- 40 ~ + 85 °C	
Storage Temperature Range	- 55 ~ + 125 °C	
Voltage Vol (Max.) / Voh (Min.)	0.1 VDD / 0.9 VDD	
Rise (Tr) / Fall (Tf) Time	10 ns Max.	
Supply Current	1-75 MHz 20mA max.	75-150 MHz 40mA max.
Symmetry	45 ~ 55 %	
Start-up Time	10 ms Max.	
Phase Jitter (12 KHz ~ 20 MHz)	1 ps Max.	
Aging (at 25 °C)	± 3 ppm / year Max.	
Reliability Standard	AEC-Q100	

Dimensions



PAD FUNCTION:
1:ENABLE CONTROL
2:GND
3:OUT
4:VDD

Suggested Layout



Units: mm

Mouser Electronics

Authorized Distributor

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[AC-27.000MBE-T](#) [AC-3.6864MBE-T](#) [AC-33.333MBE-T](#) [AC-48.000MBE-T](#) [AC-50.000MBE-T](#) [AC-54.000MBE-T](#) [AC-13.560MCE-T](#) [AC-4.000MAE-T](#) [AC-40.000MDE-T](#) [AC-13.500MCE-T](#) [AC-27.000MCE-T](#) [AC-26.000MBD-T](#) [AC-30.000MBE-T](#) [AC-20.000MCE-T](#) [AC-34.560MBE-T](#) [AC13570001](#) [AC20070001](#) [AC01077001](#) [AC40000003](#)
[AC42170001](#) [AC-13.500MBE-T](#) [AC-12.000MBE-T](#) [AC-12.000MDE-T](#)