



**THE DATASHEET OF
ACZ-32.768KBE-T**



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

Automotive
 Application Series

Features

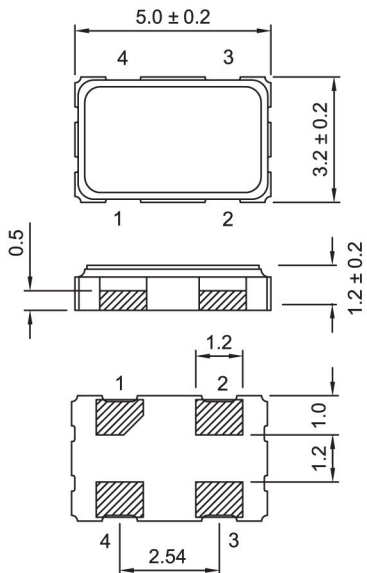
- Ultra small SMD seam sealed clock crystal oscillator units.
- High precision characteristic
- Designed for automatic mounting and reflow soldering.
- Optionable stand-by function for output: Tri-state output.
- Supply voltage range : 1.8 V ~ 3.3 V.
- High stability, low jitter , low power consumption.
- RoHS Compliant / Pb Free.



Electrical Specifications

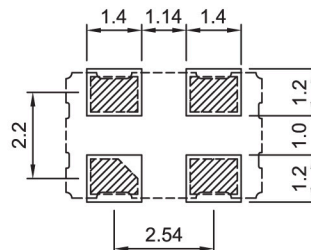
Item / Type	ACZ
Output Type	CMOS
Output Load	15 pF
Oscillation Mode	Fundamental / 3rd Overtone
Supply Voltage	1.8 V , 2.5 V , 3.3 V
Frequency Range	32.768 KHz
Frequency Stability	± 25 ppm , ± 50 ppm , ± 100 ppm
Operating Temperature Range	- 40 ~ + 85 °C
Storage Temperature Range	- 55 ~ + 125 °C
Voltage Vol (Max.) / Voh (Min.)	0.1 VDD / 0.9 VDD
Rise (Tr) / Fall (Tf) Time	10 ns Max.
Supply Current	20mA 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

Remark : Specification subject to change without prior notice. Please confirm with our sales.

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