

SMD Oscillators- CMOS Output 3.2 x 2.5 x 1.0 mm AUZ Series



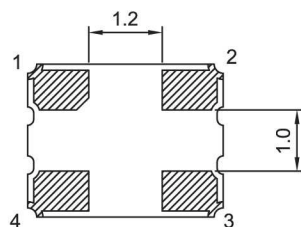
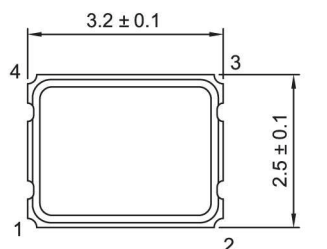
Features

- Ultra small SMD seam sealed clock crystal oscillator units.
- RoHS Compliant / Pb Free.

Electrical Specifications

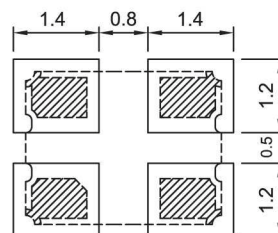
Item / Type	AUZ	
Output Type	CMOS	
Output Load	15 pF	30 pF
Oscillation Mode	Fundamental / 3rd Overtone	
Supply Voltage	1.8 V	2.5 V, 3.3 V
Frequency Range	32.768 KHz	
Frequency Stability	± 20 ppm, ± 50 ppm, ± 100 ppm	
Operating Temperature Range	$-40 \sim +85$ °C	
Storage Temperature Range	$-55 \sim +125$ °C	
Voltage Vol (Max.) / Voh (Min.)	0.1 VDD / 0.9 VDD	
Rise (Tr) / Fall (Tf) Time	10 ns Max.	
Supply Current	4 mA Max.	6 mA 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