

HCMOS/TTL COMPATIBLE • 32.768 kHz FULL-SIZE DIP  
**CRYSTAL CLOCK OSCILLATORS**  
**ACOW**



**FEATURES:**

- Low power consumption using 32.768 kHz crystal.
- HCMOS and TTL Compatible.
- Full buffered output.

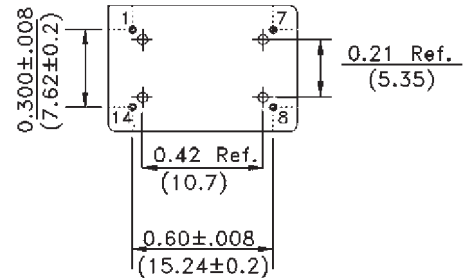
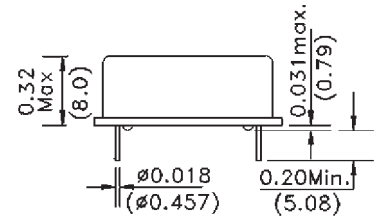
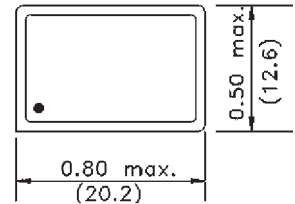
**APPLICATIONS:**

- Real-Time Clock.

**STANDARD SPECIFICATIONS**

PARAMETERS	SPECIFICATIONS
Frequency Range (F <sub>0</sub> )	<b>32.768 kHz</b>
Operating Temperature (T <sub>OPR</sub> )	0°C to +70°C
Storage Temperature (T <sub>STO</sub> )	-55°C to +125°C
Frequency Stability (ΔF/ F <sub>0</sub> )	± 100 ppm max.
Supply Voltage (V <sub>dd</sub> )	5 Vdc ± 10%
Input Current (I <sub>dd</sub> )	5 mA max.
Duty Cycle or Symmetry	40/60% O.B. @ 1/2 V <sub>dd</sub>
Rise and Fall Times (T <sub>R</sub> / T <sub>F</sub> )	30 ns max. @ 10% to 90%
Output Load	30 pF or 5 LSTTL
Output Voltage (V <sub>OH</sub> )	0.9 * V <sub>dd</sub> min.
(V <sub>OL</sub> )	0.1 * V <sub>dd</sub> max.
Aging Rate @ year	± 5 ppm max.

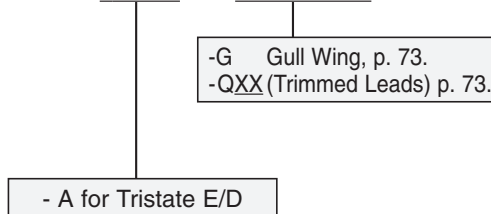
For test circuit, waveforms, please see page 67.  
 Environmental and mechanical specifications on page 68, Group 1.  
 Marking, see page 79.



Dimensions: Inches (mm)

**ORDERING OPTIONS**

ACOW - 32.768 kHz - Tristate - Value Added



PIN NUMBER	FUNCTION
1	NC or Tristate E/D
7	GND / Case
8	Output
14	V <sub>dd</sub>



NOTE: Left blank if standard • All specifications and markings subject to change without notice

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