

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.

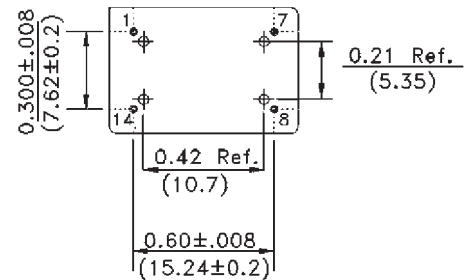
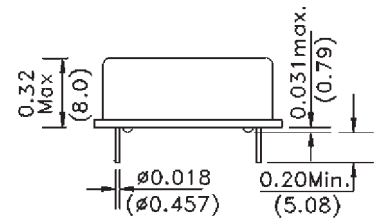
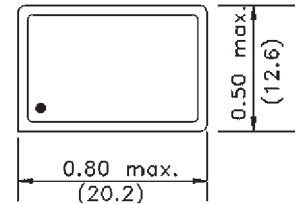
APPLICATIONS:

- Real-Time Clock.

STANDARD SPECIFICATIONS

PARAMETERS	SPECIFICATIONS
Frequency Range (F_0)	32.768 kHz
Operating Temperature (T_{OPR})	0°C to +70°C
Storage Temperature (T_{STO})	-55°C to +125°C
Frequency Stability ($\Delta F / F_0$)	± 100 ppm max.
Supply Voltage (V_{dd})	5 Vdc ± 10%
Input Current (I_{dd})	5 mA max.
Duty Cycle or Symmetry	40/60% O.B. @ 1/2 V_{dd}
Rise and Fall Times (T_R / T_F)	30 ns max. @ 10% to 90%
Output Load	30 pF or 5 LSTTL
Output Voltage (V_{OH})	0.9 * V_{dd} min.
(V_{OL})	0.1 * V_{dd} 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

-G Gull Wing, p. 73.
-QXX (Trimmed Leads) p. 73.

- A for Tristate E/D

PIN NUMBER	FUNCTION
1	NC or Tristate E/D
7	GND / Case
8	Output
14	V_{dd}

ABRACON IS
ISO 9001 / QS 9000
CERTIFIED

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

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