

FULL-SIZE DIP CRYSTAL CLOCK OSCILLATOR

ACOW



RoHS
Compliant



20.2 x 12.6 x 8.0 mm

FEATURES:

- RoHS compliant
- CMOS/TTL output
- 32.768 kHz
- Tri-state function

APPLICATIONS:

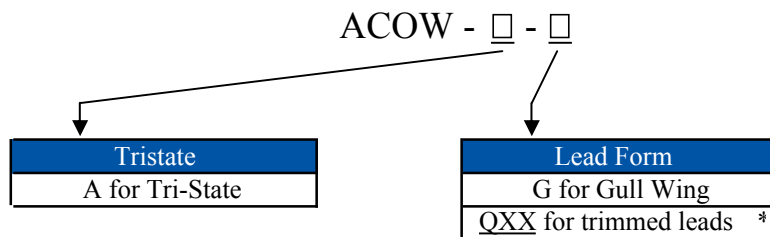
- Computers, Modems, Microprocessors
- Communication, Test equipment

STANDARD SPECIFICATIONS:

PARAMETERS	
ABRACON P/N	ACOW Series
Frequency	32.768 kHz
Operating Temperature	0°C to + 70°C
Storage Temperature	- 55°C to + 125°C
Overall Frequency Stability	± 100 ppm max.
Supply Voltage (Vdd)	5V ± 5%
Input Current	15 mA max.
Symmetry	40/60 % max. at 1/2Vdd
Rise and fall time (Tr/Tf)	250ns ns max.@ 10% to 90% of output waveform
Output Load	5LSTTL or 30pF
Output Voltage	VOH = 0.9 * Vdd min; VOL = 0.1 * Vdd max.
Aging	± 5ppm max/first year
Tri-state E/D option (pin 1)	> 2.2V or open: Oscillation < 0.8V : Hi Z

OPTIONS & PART IDENTIFICATION:

(Left blank if standard)



(*) Note: see table 1

Table 1

Codes	Trimmed Length (inch(mm))
Q45	0.45 (11.43)
Q40	0.40 (10.16)
Q35	0.35 (8.89)
Q30	0.30 (7.62)
Q25	0.25 (6.35)
Q20	0.20 (5.08)
Q15	0.15 (3.81)
Q10	0.10 (2.54)

Note: Use appropriate code numbers for other trimmed lengths not listed.

[Ex: Q14 for 0.14 inch (3.55 mm)]

ABRACON IS
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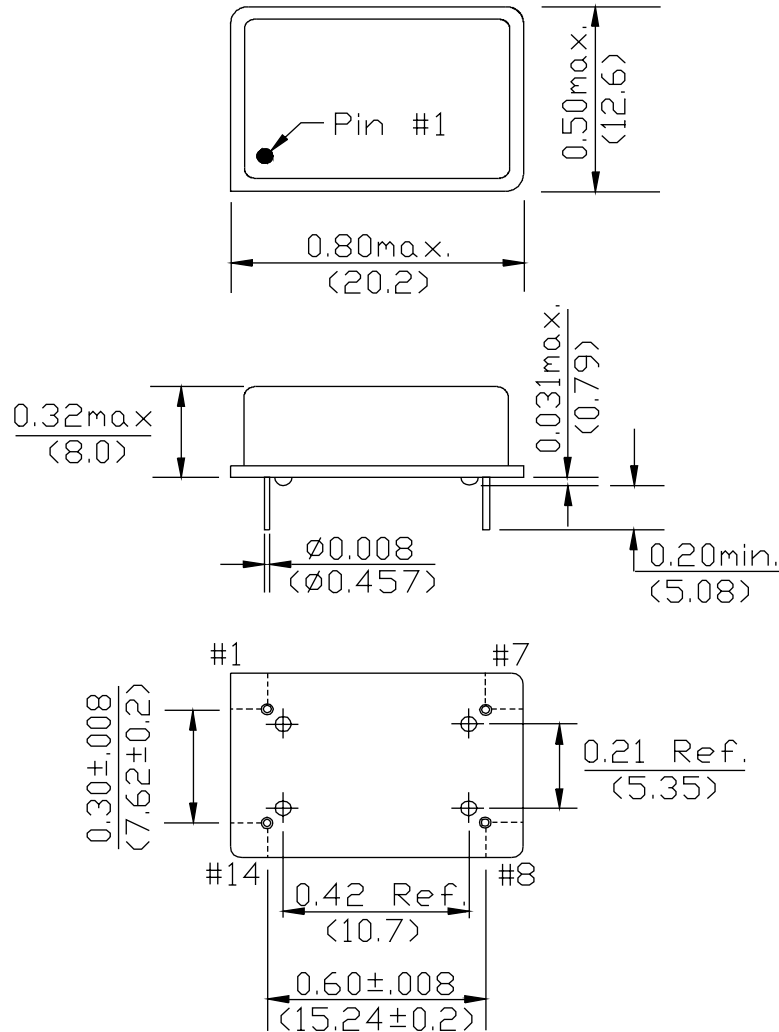


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20.2 x 12.6 x 8.0 mm

OUTLINE DRAWING:



Dimension : Inches (mm)

PIN	FUNCTION
1	NC or E/D Tristate
7	GND/Case
8	Output
14	Vdd

ATTENTION: Abracon Corporation's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon Corporation is required. Please contact Abracon Corporation for more information.

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