

FULL-SIZE DIP 32.768kHz CRYSTAL CLOCK OSCILLATOR

ACOW



ESD Sensitive



RoHS/RoHS II compliant



20.2 x 12.6 x 8.0 mm

Moisture Sensitivity Level (MSL) – Through-hole part, MSL doesn't apply.

FEATURES:

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

APPLICATIONS:

- Computers, Modems, Microprocessors
- Communication, Test equipment

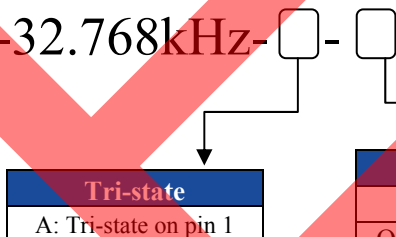
STANDARD SPECIFICATIONS:

Parameters		Minimum	Typical	Maximum	Units	Notes
Frequency			32.768		kHz	
Operating Temperature		0		+70	°C	See options
Storage Temperature		-55		+125	°C	
Overall Frequency Stability		-100		+100	ppm	See options
Supply Voltage (Vdd)		4.75	5.0	5.25	V	
Input Current				15	mA	
Symmetry		40		60	%	@ 1/2Vdd
Rise and Fall Time (Tr/Tf)				250	ns	@ 10% to 90% of output waveform
Output Load				5 15	LS TTL pF	
Output Voltage	VOH	0.9*Vdd			V	
	VOL			0.1*Vdd	V	
Tri-state Function (Option A)	VIH	0.7*Vdd			V	"1" or Open: Oscillation
	VIL			0.3*Vdd	V	"0": Output disable (Hi Z)

OPTIONS & PART IDENTIFICATION:

(Left blank if standard)

ACOW-32.768kHz-



(*) 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)

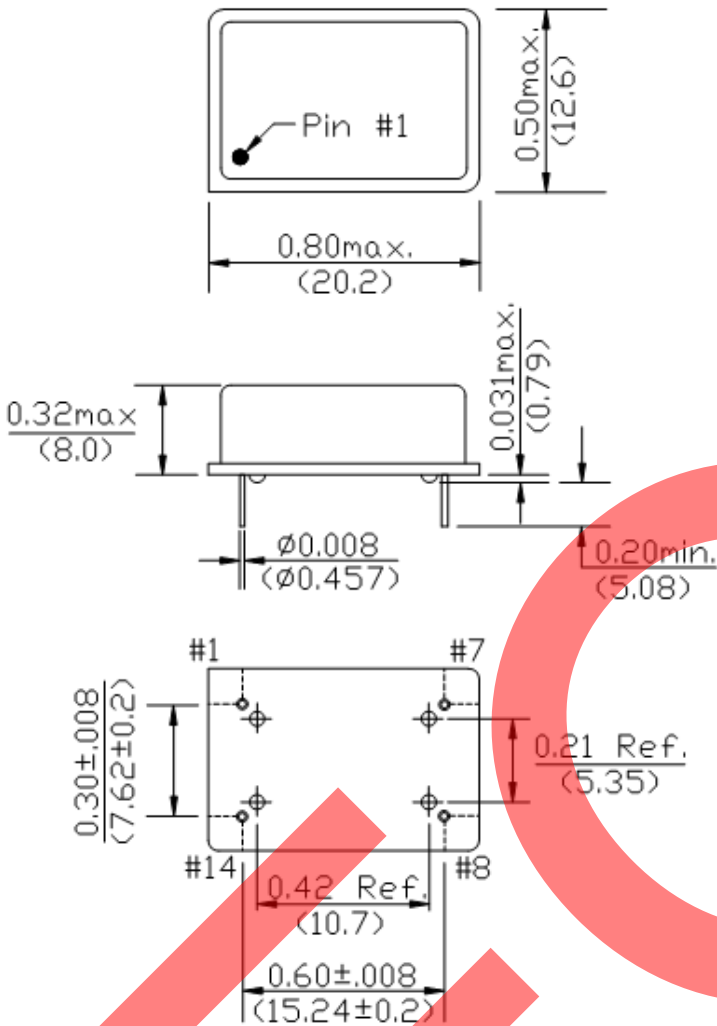
Note: Use appropriate code numbers for other trimmed lengths not listed.
(Ex: Q14 for 0.14 inch (3.55 mm))

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20.2 x 12.6 x 8.0 mm

STANDARD SPECIFICATIONS:



PIN	FUNCTION
1	NC or E/D Tri -state
7	GND/Case
8	Output
14	Vdd

Dimensions: inches (mm)

Packaging
25pcs /tube

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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