

FULL-SIZE DIP 32.768kHz CRYSTAL CLOCK OSCILLATOR

ACOW



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:

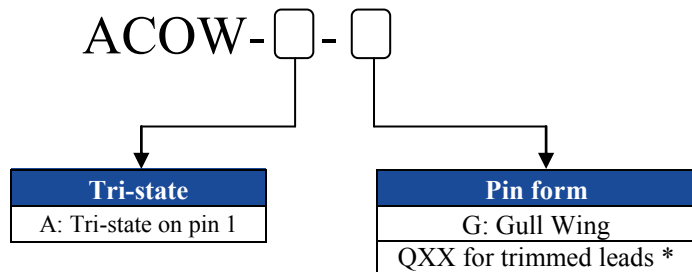
- Computers, Modems, Microprocessors
- Communication, Test equipment

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)



(*) 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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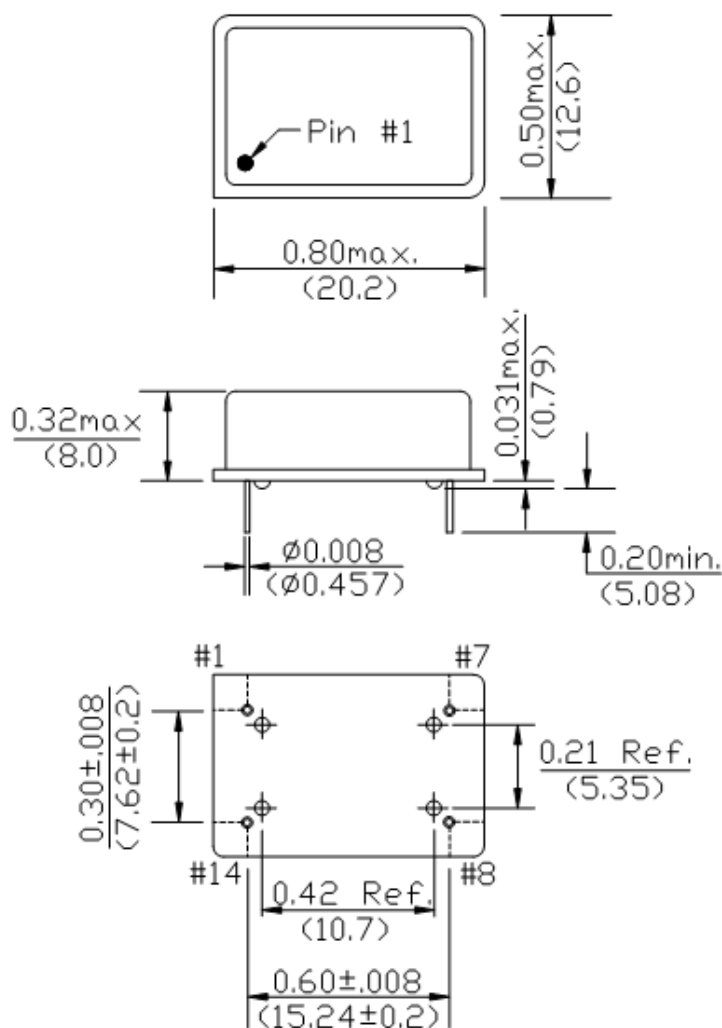


RoHS/RoHS II compliant



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

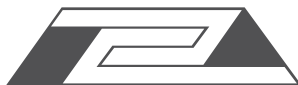
Dimensions: inches (mm)

Packaging

25pcs /tube

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ABRACON IS
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CERTIFIED



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