

CERAMIC SMD CRYSTAL OSCILLATOR



7.0 x 5.0 x 1.8mm

ASVK SERIES

* RoHS COMPLIANT

FEATURES:

- Industrial operating temperature range available.
- CMOS output
- Small surface mount package
- Compact and low in height

APPLICATIONS:

- System references
- Real time clocks

STANDARD SPECIFICATIONS:

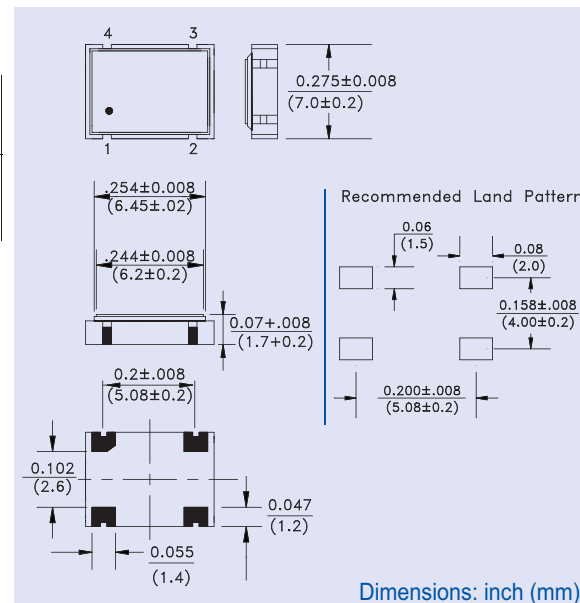
PARAMETERS	
Frequency Range	32.768KHz
Operating Temperature	-0° C to +70° C (see options)
Storage Temperature	-55° C to +125° C
Overall Frequency Stability	±100 ppm max.(see options)
Supply Voltage (Vdd)	3.3 Vdc ± 10% (see options)
Input Current	7mA max
Symmetry	40/60% (see options)
Rise and Fall Time (Tr/Tf)	250nS max.
Output Load	15pF or 10TTL
Output Type	HCMOS
Output Voltage	VOH = 0.9*Vdd min. VOL = 0.1*Vdd max.
Start-up Time	8 mS max
Tristate Function	Logic "1" (2.0V min) or open = OSC Logic "0" (0.8V max) = Hi Z output disabled.

MARKING:

- 32KHz (32.768 Frequency)
- AKZY (Z: month A to L; Y: year 0 for 2000)

PIN	FUNCTION
1	Tri-state or NC
2	GND
3	Output
4	Vcc

OUTLINE DRAWING:



OPTIONS AND PART IDENTIFICATION (Left blank if standard):

ASVK - 32.768 - Supply Voltage - Frequency Stability - Temperature - Symmetry - PIN 1 Function - Packaging

Freq Stability options:

- C for ± 50 ppm max.
- B for ± 40 ppm max.
- H for ± 35 ppm max.
- K for ± 30 ppm max.
- R for ± 25 ppm max.
- J for ± 20 ppm max.

Supply Voltage options:

- Y for 2.5V±5%
- Z for 3.0V±10%

PIN 1 option:

- A for tri-state

Packaging option:

- T for Tape and Reel

Temperature options:

- E for -20°C to +70°C
- F for -30°C to +70°C
- N for -30°C to +85°C
- L for -40°C to +85°C

Symmetry option:

- S for (45/55%)
Duty Cycle <10MHz

ABRACON IS
ISO 9001 / QS 9000
CERTIFIED

rev1.1-8/05



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