

HALF-SIZE DIP LOW VOLTAGE 5.0V CRYSTAL CLOCK OSCILLATOR

ACH Series



RoHS
Compliant



12.7 x 12.7 x 5.6mm

FEATURES:

- Wide frequency range.
- HCMOS and TTL compatible.
- Tight symmetry option.
- Tri-state Enable / Disable function.

APPLICATIONS:

- Microprocessors.
- Digital circuit.

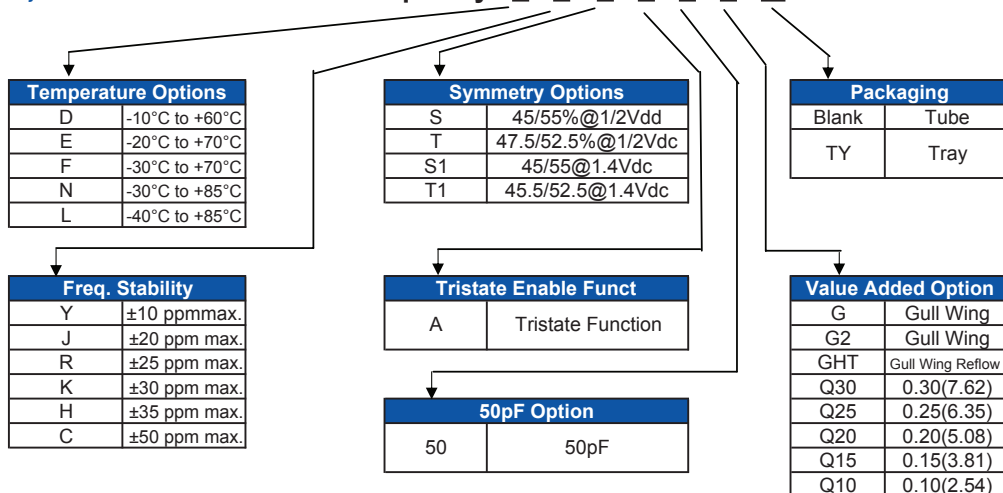
STANDARD SPECIFICATIONS:

| PARAMETERS | |
|------------------------------|--|
| ABRACON P/N | ACH Series |
| Frequency: | 32.768kHz to 200MHz |
| Operating temperature: | 0°C to +70°C |
| Storage temperature: | - 55°C to + 125°C |
| Frequency Stability: | ± 100ppm max. (see options) |
| Supply voltage (Vdd): | 5.0Vdc ± 10% |
| Symmetry: | 45/55% max. for F<50MHz 40/60% max. for F>=50MHz (see options) |
| Rise and Fall Times(Tr/Tf): | 40ns max. for 32.768kHz ≤ F < 2MHz 10ns max. for 2MHz ≤ F ≤ 24MHz 5ns max. for F>24MHz |
| Output load: | 10 TTL or 15 pF for F<80MHz 5 TTL or 15 pF for F>=80MHz |
| Output Voltage: | VOH = 0.9 * VDD min. VOL = 0.1*VDD max. |
| Tri-state Function: | "1" (VIH ≥ 2.2 Vdc) or open: Oscillation "0" (VIL < 0.8V): Hi Z |
| Start-up-time: | 10 ms max |
| Output Disable/ Enable time: | 100 ns max. (for Option "-A" ONLY) |
| Input current: | 30 mA max. for F < 24 MHz 45 mA max. for F < 50 MHz 70 mA max. for F < 80 MHz 85 mA max. for F ≥ 24 MHz |

OPTIONS & PART IDENTIFICATION:

(Left blank if standard)

ACH - Frequency - □ - □ - □ - □ - □ - □ - □



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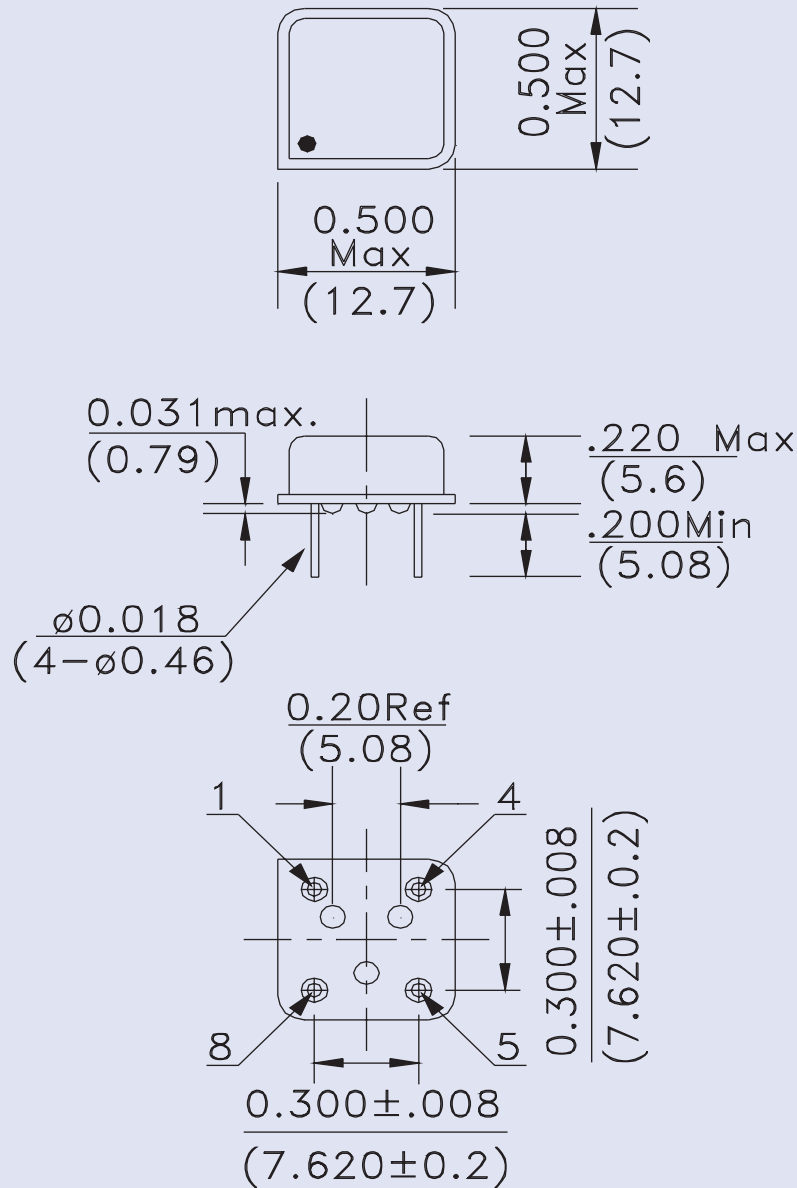


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12.7 x 12.7 x 5.6mm

OUTLINE DIMENSIONS:



| PIN | FUNCTION |
|-----|-------------------------|
| 1 | NC or Tri-state Enable/ |
| 4 | GND/Case |
| 5 | Output |
| 8 | VDD |

Dimensions: inches (mm)

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.

ABRACON IS
ISO9001:2008
CERTIFIED



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