HALF SIZE DIP LOW VOLTAGE 2.5V **CRYSTAL CLOCK OSCILLATOR**

> APPLICATIONS:

• Low power applications.



ACHL1 Series

FEATURES:

- Tri-state Enable/Disable option.
- Low voltage 2.5Vdc.
- HCMOS and TTL compatible.
- Tight symmetry option.

STANDARD SPECIFICATIONS:

PARAMETERS ABRACON P/N ACHL1 Series Frequency: 1.00MHz to 80.00 MHz Operating temperature: -10°C to +60°C (see options) Storage temperature: - 55°C to + 125°C ± 100ppm max. (see options) Overall frequency stability*: Supply voltage (Vdd): 2.5Vdc ± 10% Input current: See Table 1 Symmetry: 40/60% max. (see option) Rise and Fall Times (Tr/Tf): See Table 1 Output load: 5 TTL or 15 pF Output Voltage: VOH = 2.4V min.VOL = 0.4V max. Tri State Function: "1" (VIH >= 2.2 Vdc) or open: Oscillation "0" (VIL < 0.8V): Hi Z Start-up-time: 10 ms max

100 ns max. (for Option "-A" ONLY)

Table 1

Clock signal sources for digital chips and microprocessors.

Frequency (MHz)	Input current (mA)	Rise/Fall time (ns)
1.00MHzHz≤F<24.9MHz	20	10
25.0MHz≤F<80.00MHz	40	10

RoHS

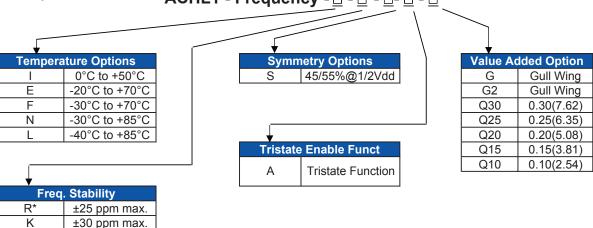
Compliant

OPTIONS & PART IDENTIFICATION:

Output Disable/ Enable time:

(Left blank if standard)

ACHL1 - Frequency - _ - _ - _ - _ - _ - _



* Temp option D, E, F, N and 0°C to +70°C only

±35 ppm max.

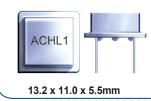
±50 ppm max.

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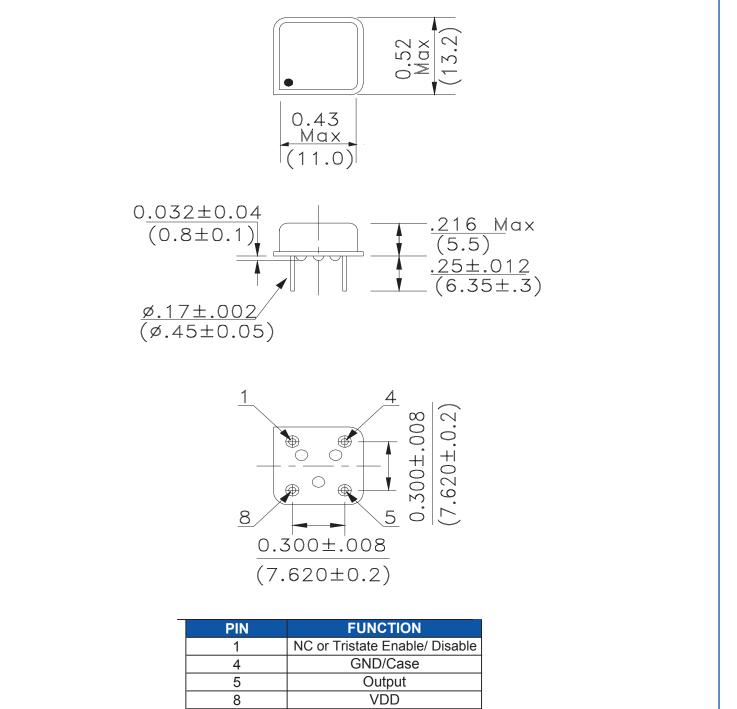


RoHS

Compliant

ACHL1 Series

> OUTLINE DIMENSIONS:



Note: Recommended using an approximately 0.01uF bypass capacitor between PIN 4 and 8.

Dimensions: inches (mm)

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