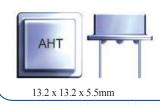
# TTL OUTPUT HALF SIZE DIP CRYSTAL CLOCK OSCILLATOR



# AHT Series

#### **FEATURES**:

- Hermetically sealed metal package
- TTL output
- Case ground for EMI protection
- Tri-state Enable/Disable options

### STANDARD SPECIFICATIONS:

#### > APPLICATIONS:

· Provide clock signals for microprocessors and digital circuits

RoHS

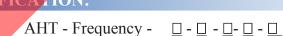
Compliant

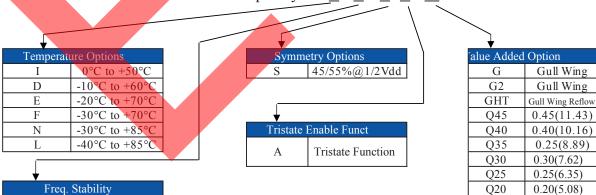
• TTL output for low EMI applications

PARAMETERS		Table 1		
		Frequency	Input current	Rise/Fall time
ABRACON P/N	AHT Series	MHz 400.000kHz ≤F<24.999MHz	mA 20	ns 10
Frequency:	400kHz to 160MHz	25.000Hz ≤F<100.000MHz	40	5
Operating temperature:	0°C to +70°C (see options)	$100.000 \text{ kHz} \leq \text{F} < 160.000 \text{ MHz}$	80	4
Storage temperature:	- 55°C to + 125°C			
Overall frequency stability*:	± 100ppm max. (see options)			
Supply voltage (Vdd):	$5.0$ Vdc $\pm 10\%$			
Input current:	See Table 1			
Symmetry:	40/60% max. (see option)			
Rise and Fall Times (Tr/Tf):	See Table 1			
Output load:	10 TTL max.			
Output Voltage:	VOH = 0.9 * V dd min. VOL = 0.1* V dd max.			
Tri State Function:	"1" (VIH >= 2.4 Vdc) or open: Oscillation "0" (VIL < 0.4V): Hi Z			
Output Disable/ Enable time:	100 ns max. (for Option "-A" ONLY)			
Start-up-time:	10 to 35 ms max			

## **OPTIONS & PART IDENTIFICATION:**

(Left blank if standard)





Freq. Stability		
J *	±20 ppm max.	
R	±25 ppm max.	
K	±30 ppm max.	
Н	±35 ppm max.	
С	±50 ppm max.	

\*Temp option I, D, and E only



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0.15(3.81)

0.10(2.54)

Q15

Q10

# TTL OUTPUT HALF SIZE DIP CRYSTAL CLOCK OSCILLATOR

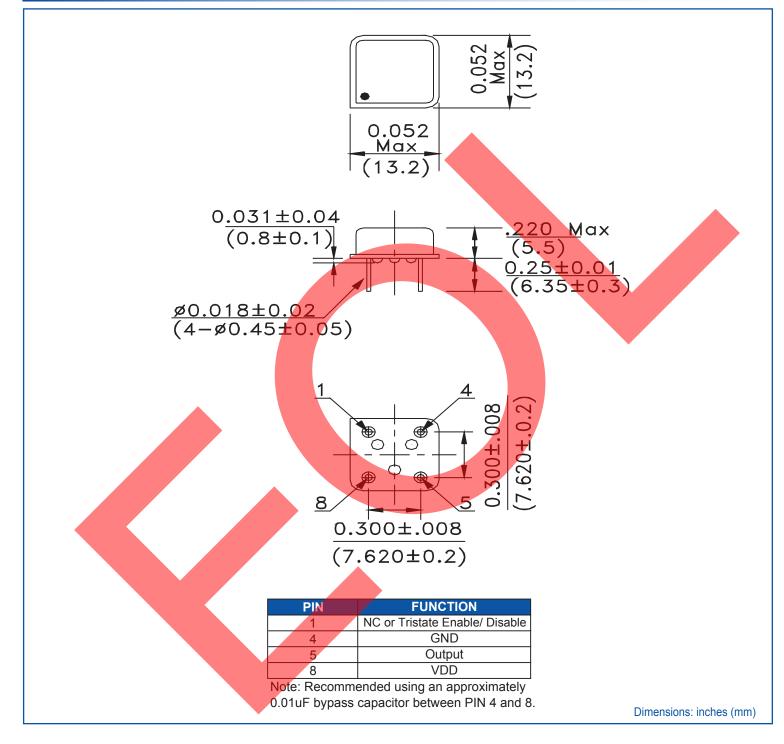
# AHT 13.2 x 5.5mm

RoHS

Compliant

AHT Series

## **OUTLINE DIMENSIONS:**



**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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