3.3 V, HCMOS/ TTL, J LEADED, PLASTIC MOLDED PROGRAMMABLE CLOCK OSCILLATOR

ASMLP SERIES

Pb | **RoHS** Compliant

14.0 x 8.95 x 4.7 mm

▷ **FEATURES:**

- Industry standard J-Leaded terminals.
- Plastic molded SMD, Reflow capable.
- Low current consumption.
- Tri-state Enable/Disable.
- HCMOS output.
- 3.3Vdc operation.
- Extended temperature -40°C to +85°C option.

▷ **APPLICATIONS:**

- Provide clock signals for microprocessors and digital circuits.
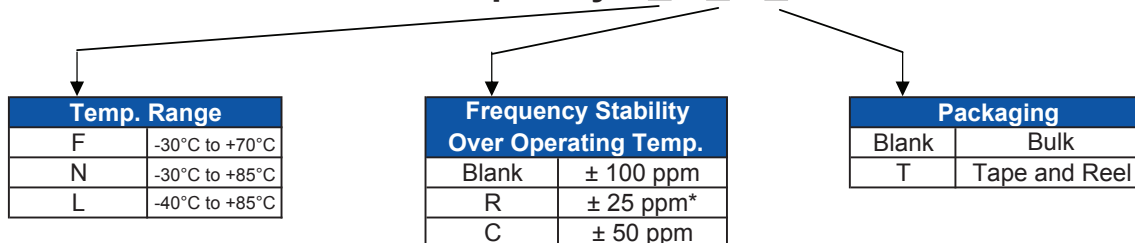- Communication equipment, AV and OA equipment

▷ **STANDARD SPECIFICATIONS:**

PARAMETERS	
ABRACON P/N	ASMLP Series
Frequency range:	1.000MHz ~ 106.250MHz
Operating temperature:	-20° C to +70° C (see options)
Storage temperature:	- 55° C to + 125° C
Overall frequency stability:	± 100 ppm max. (see options)
Supply voltage (Vdd):	3.3Vdc ± 10%
Input current:	25 mA max.
Symmetry at 1/2VDD:	45/55 % max.
Rise and fall time (Tr/Tf):	4 ns max. @ 20% to 80% of waveform
Output load:	15pF max.
Output voltage:	VOH = 0.7*Vdd min. VOL = 0.2*Vdd max.
Tri-state function:	"1" (VIH >= 0.7* Vdd) or open: Oscillation "0" (VIL < 0.2* Vdd) : Hi Z
Start-up time:	10 ms max.
Disabled current (Stand-by):	20µA max.
Jitter (Peak to Peak):	± 250ps max. for F≤ 33MHz, ±100ps typ. ± 125ps max. for F>33MHz, ±75ps typ.
Jitter (RMS):	± 50ps max. for F≤ 33MHz, ± 30ps typ. ± 30ps max. for F>33MHz, ± 20ps typ.
Aging:	±5ppm/first year

▷ **OPTIONS AND PART IDENTIFICATION**

(Left blank if standard)

ASMLP-Frequency - ☐ - ☐ - ☐

Temp. Range	
F	-30°C to +70°C
N	-30°C to +85°C
L	-40°C to +85°C

Frequency Stability Over Operating Temp.	
Blank	± 100 ppm
R	± 25 ppm*
C	± 50 ppm

(*) Contact ABRACON for availability.

Packaging	
Blank	Bulk
T	Tape and Reel

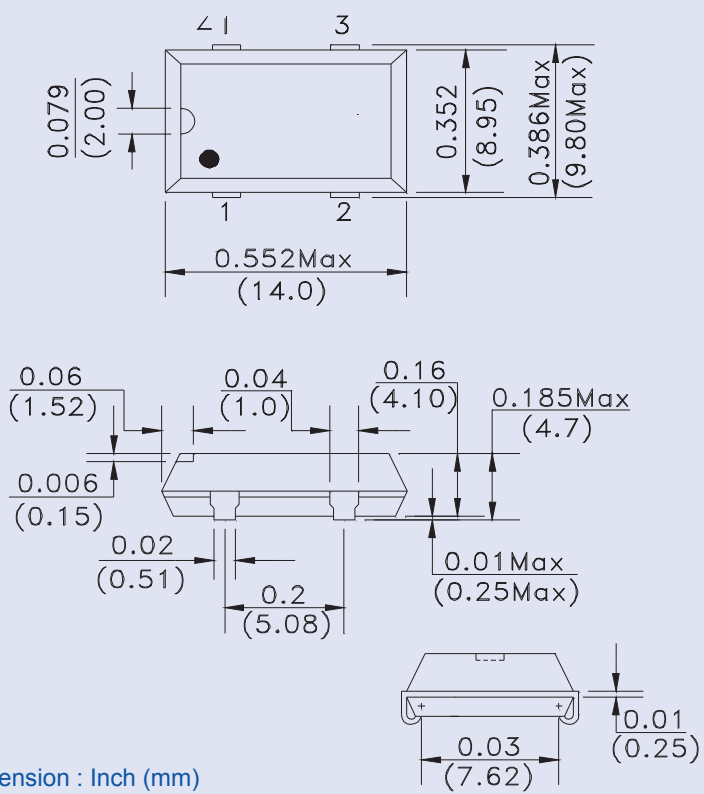**ABRACON CORPORATION**

3.3 V, HCMOS/ TTL, J LEADED, PLASTIC MOLDED PROGRAMMABLE CLOCK OSCILLATOR

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OUTLINE DRAWING:
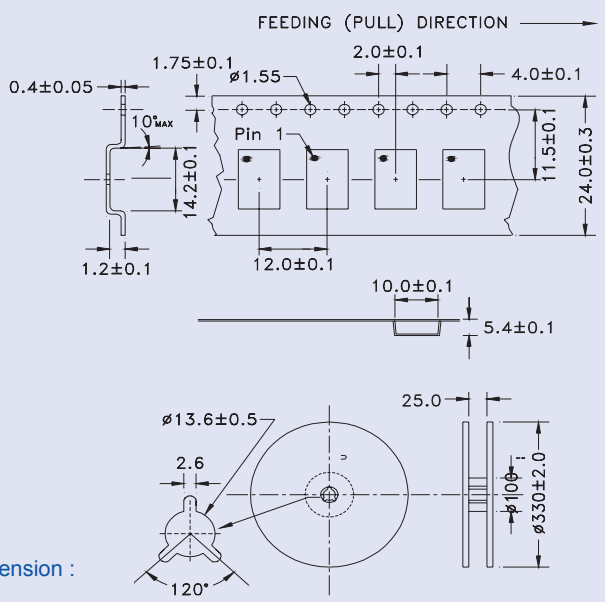

Dimension : Inch (mm)

Recommended land pattern
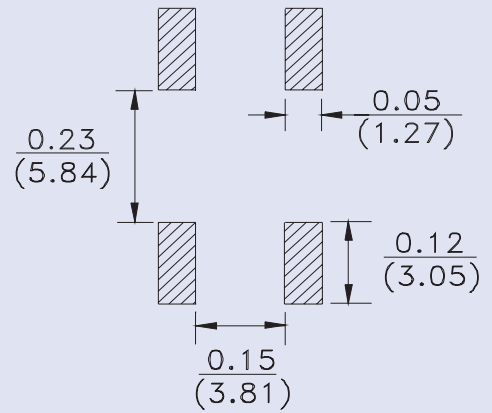
PIN	FUNCTION
1	Tristate
2	GND/Case
3	Output
4	Vdd

Note: Recommend using an approximately 0.01uF bypass capacitor between pin 2 and 4.

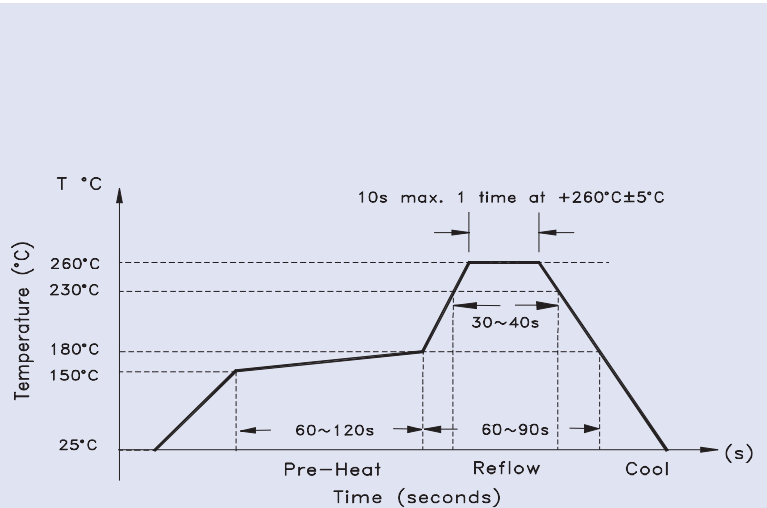## TAPE AND REEL: T= tape and reel (1,000pcs/reel)

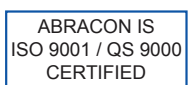**Packaging for over 1,000pcs order programmed by the factory**

Dimension : mm

REFLOW PROFILE:

NOTE: Abracon manufactured products are intended for general commercial and industrial use. For applications requiring high reliability and/or presenting extreme operating environment, written consent & authorization from Abracon is required.