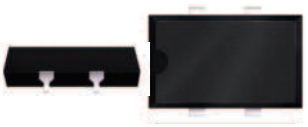
3.3 V, HCMOS/ TTL, J LEADED, PLASTIC MOLDED SURFACE MOUNT CRYSTAL CLOCK OSCILLATOR

ASML SERIES

Pb in high temperature solder (exempt per RoHS 2002/95/EC Annex (7)). **RoHS Compliant**



14.0 x 8.95 x 4.7 mm

The 14x9.8mm plastic package oscillator is not recommended for new designs. Please consider our reduced size ceramic or plastic molded SMD packages. Recommended series include ASL, ASV, ASVM, ASFL, ASFLM, ASE, ASEM . For 5.0V please use ASL series.

FEATURES:

- Industry standard J-Leaded terminals.
- Plastic molded SMD, Reflow capable.
- Low current consumption.
- Tristate 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:	ASML Series
Frequency range:	1 ~ 106.25 MHz
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):	3.3Vdc ± 10%
Input current:	15 mA max. for F ≤20 MHz 35 mA max. for F ≤70 MHz 60 mA max. for F ≤106.25 MHz
Symmetry:	40/60 % max. at 1/2Vdd CMOS (see option)
Rise and fall time (Tr/Tf):	5 ns max.
Output load:	10 TTL or 15 pFmax.
Output voltage:	VOH = 0.9*Vdd min. VOL = 0.1*Vdd max.
Tri-State function:	"1" (VIH >= 2.2 V) or open: Oscillation "0" (VIL < 0.8 V) : Hi Z
Start-up time:	10ms max.
Aging (first year):	±5ppm/year max.
Period jitter (1 sigma):	25ps max.

OPTIONS AND PART IDENTIFICATION

(Left blank if standard)

ASML - Frequency - □ - □ - □ - □

Operating Temp.	
D	-10°C to +60°C
E	-20°C to +70°C
F	-30°C to +70°C
N	-30°C to +85°C
L	-40°C to +85°C

Overall Frequency	
R	±25ppm
K	±30ppm
C	±50ppm

Packaging	
Blank	Bulk
T	Tape and Reel (1000pcs/reel)

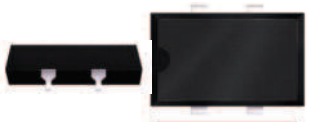
Symmetry	
S	45/55%@1/2Vdd
S1	45/55%@1.4Vdd

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tel 949-546-8000 | fax 949-546-8001 | www.abracon.com

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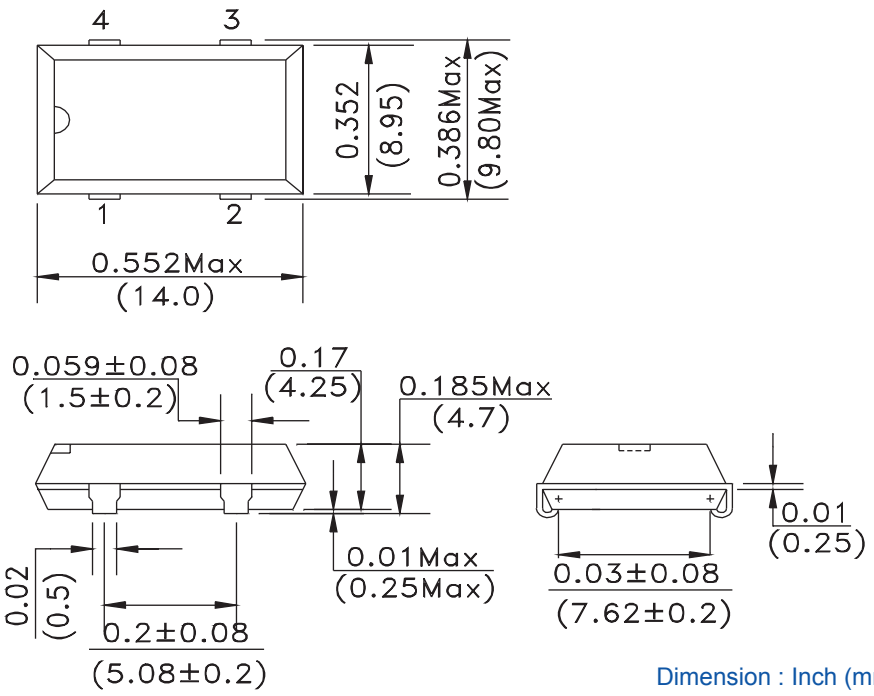
ASML SERIES

Pb in high temperature solder (exempt per RoHS 2002/95/EC Annex (7)). **RoHS Compliant**



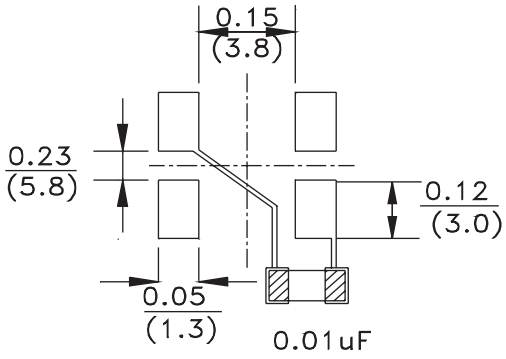
14.0 x 8.95 x 4.7 mm

OUTLINE DRAWING:



Dimension : Inch (mm)

Recommended land pattern

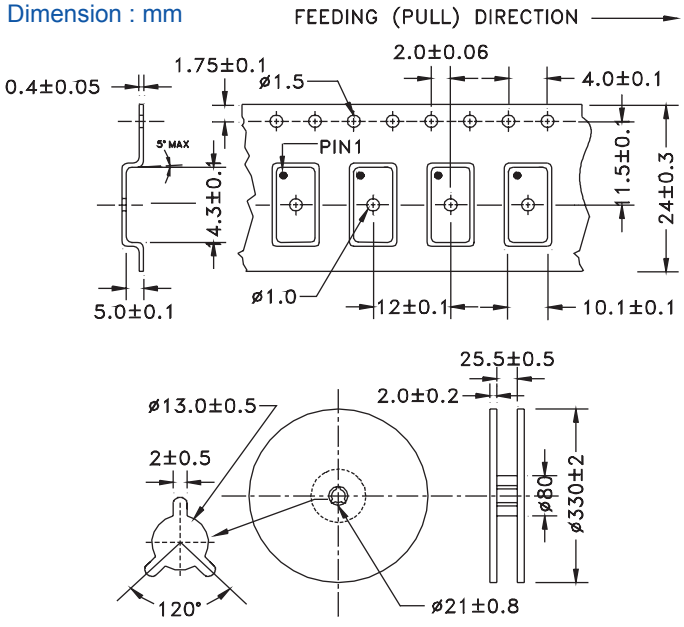


PIN	FUNCTION
1	Tristate
2	GND/Case
3	Output
4	Vdd

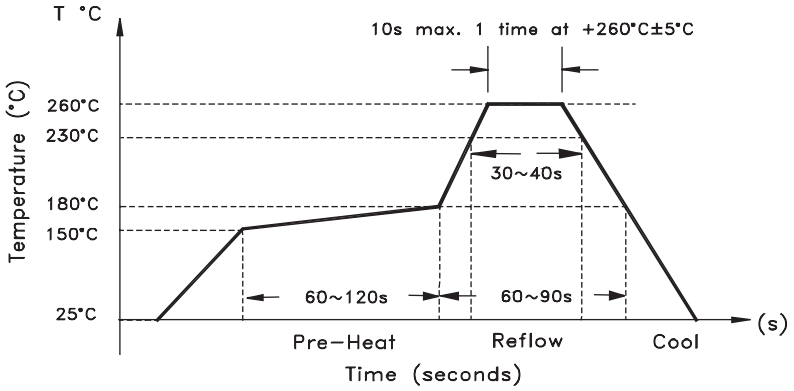
Note: Recommend using an approximately 0.01uF bypass capacitor between pin 2 and 4.

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

Dimension : mm



REFLOW PROFILE:



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