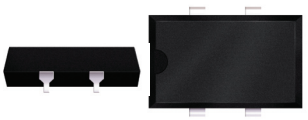
3.3 V, HCMOS/ TTL, J LEADED, PLASTIC MOLDED SURFACE MOUNT CRYSTAL CLOCK OSCILLATOR

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

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):	**10 ns max.**
Output load:	**10 TTL or 15 pFmax.**
Output voltage:	**VOH = 0.9*Vdd min.** **VOL = 0.1*Vdd max.**
Tristate function:	**"1" (VIH >= 2.2 V) or open: Oscillation** **"0" (VIL < 0.8 V) : Hi Z**
Stat-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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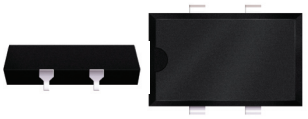
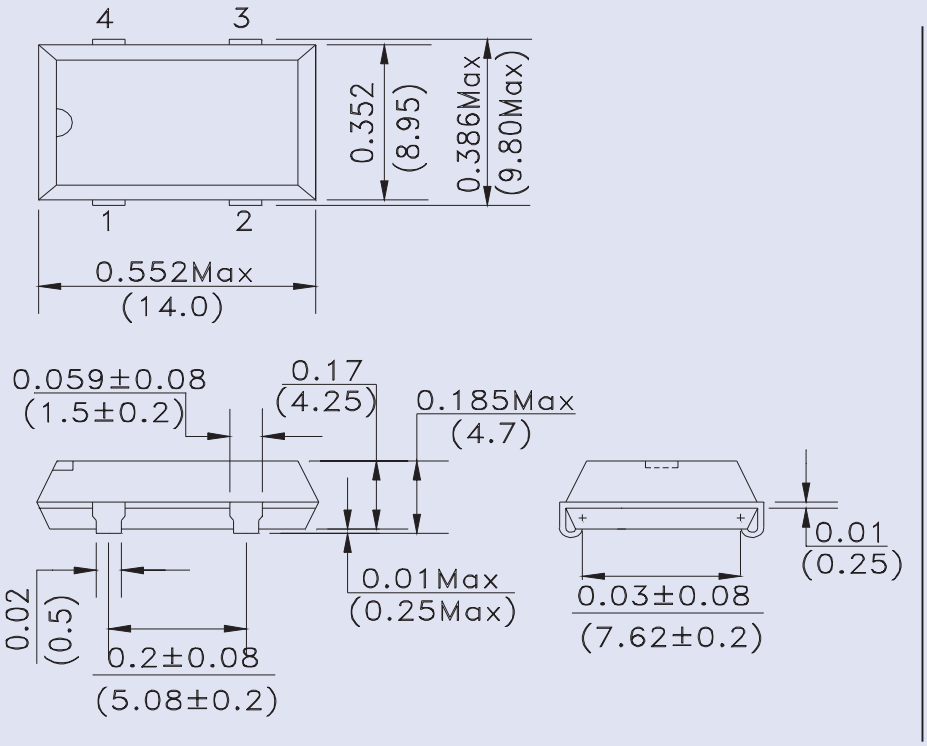
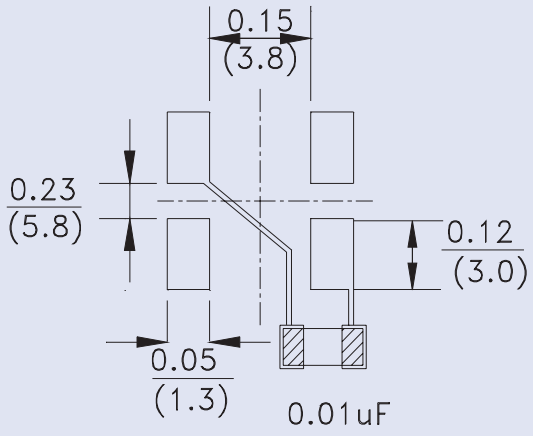


14.0 x 8.95 x 4.7 mm

OUTLINE DRAWING:



Recommended land pattern

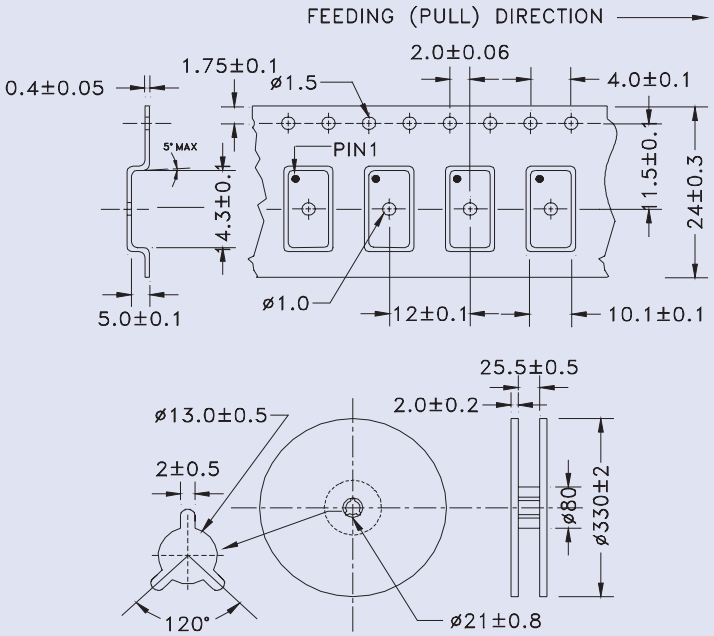


PIN	FUNCTION
1	Tristate
2	GND/Case
3	Output
4	Vdd

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

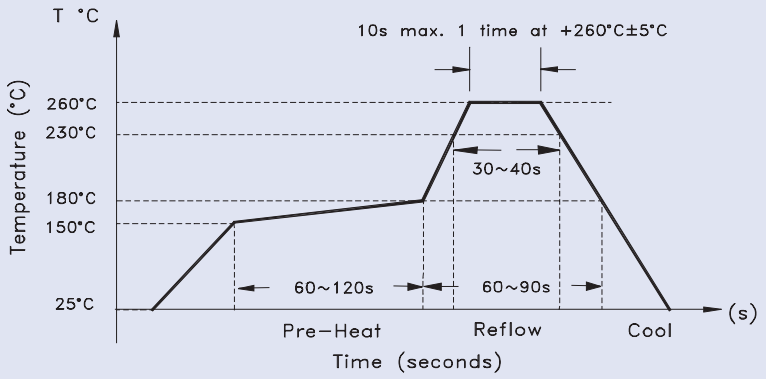
Dimension : Inch (mm)

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



Dimension : mm

REFLOW PROFILE:



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