

PLASTIC J-LEADED PROGRAMMABLE SURFACE-MOUNT CRYSTAL CLOCK OSCILLATOR



14.0 x 8.95 x 4.7 mm

ASMP



RoHS
Compliant

FEATURES:

- Wide range of frequencies using PLL Technology
- Reflow soldering capable
- Miniature plastic SMD type
- Incorporated heat-resisting packaged crystal

APPLICATIONS:

- Real time clocks
- System References

STANDARD SPECIFICATIONS:

PARAMETERS

ABRACON P/N	ASMP Series
Frequency	1.000 MHz to 125.00 MHz
Operating Temperature	-20°C to +70°C (See options)
Storage Temperature	-55°C to +125°C
Frequency stability	± 100ppm max. (See options)
Supply voltage (Vdd)	5.0 Vdc ± 10%
Input Current	45mA max.
Symmetry at 1/2 VDD	45/55 % max.
Rise and fall time (Tr/Tf)	4 ns max. @ 20% to 80% of waveform
Output Load	25pF max.
Output Voltage	VOH = 0.9 * Vdd min. VOL = 0.4 * Vdd max.
Start-up time	10 ms max.
Tri-state function	"1" (VIH >= 2.0V min) or open: Oscillation "0" (VIL < 0.8V max) : Hi Impedance
Disabled current OE	30 mA max.
Stand-By Current (Option - B)	50 µA max.
Jitter (Peak to Peak)	±250ps max. for F < 33MHz, ±100ps typ. ±100ps max. for F > 33MHz, ±50ps typ.
RMS One Sigma	±50ps max. for F < 33MHz, ±30ps typ. ±30ps max. for F > 33MHz, ±20ps typ.
Aging	±5ppm/year maximum (typ. ±3ppm)

OPTIONS & PART IDENTIFICATION:

(Left blank if standard)

ASMP-Frequency - □ - □ - □ - □

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

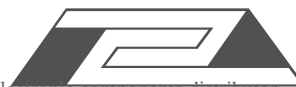
Frequency Stability Over Operating Temp.	
J	± 20 ppm*
R	± 25 ppm*
K	± 30 ppm*
H	± 35 ppm*
C	± 50 ppm*

Packaging	
T	Tape and Reel (1.1K/reel)

Stand-By	
B	Stand-By Mode

(*) Note: -20 to +70°C only

ABRACON IS
ISO 9001 / QS 9000
CERTIFIED



ABRACON
CORPORATION

Visit www.abracon.com for Terms & Conditions of Sale **Revised: 05.01.07**
30332 Esperanza, Rancho Santa Margarita, California 92688
tel 949-546-8000 | fax 949-546-8001 | www.abracon.com

PLASTIC J-LEADED PROGRAMMABLE SURFACE-MOUNT CRYSTAL CLOCK OSCILLATOR

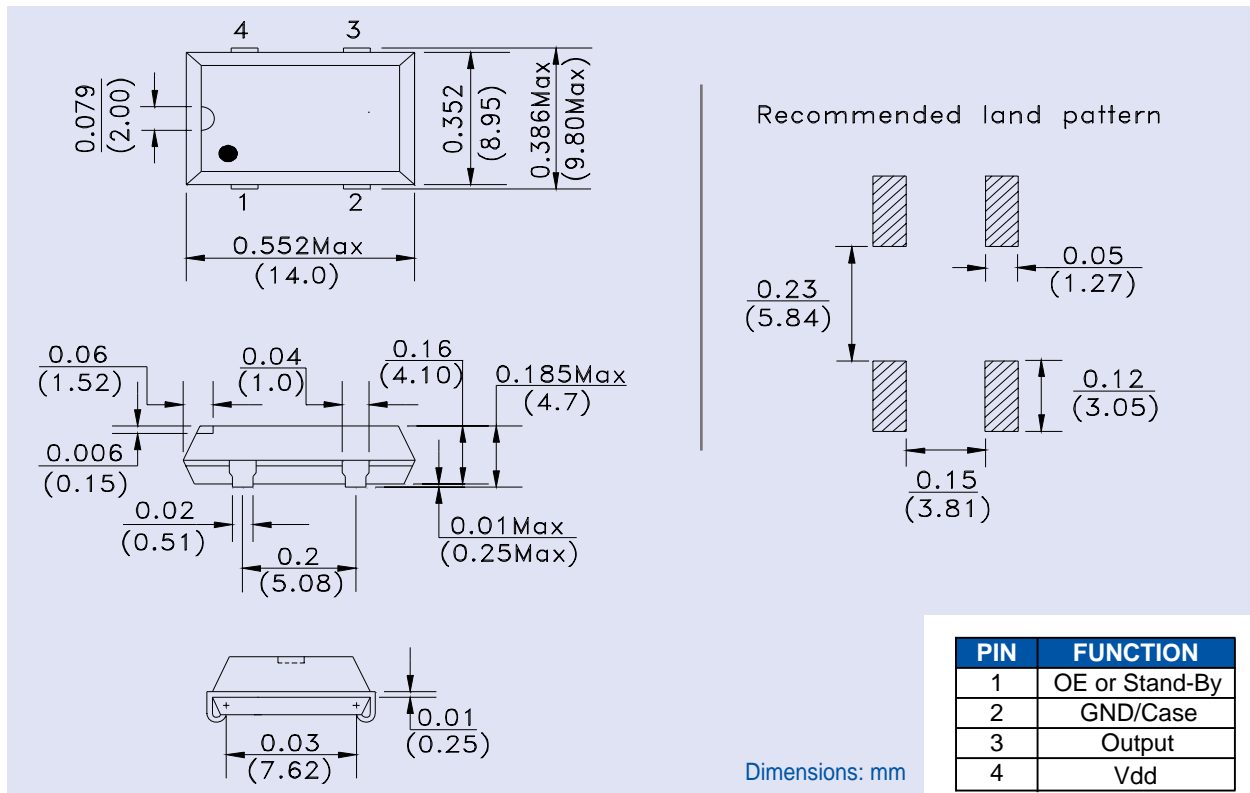


ASMP

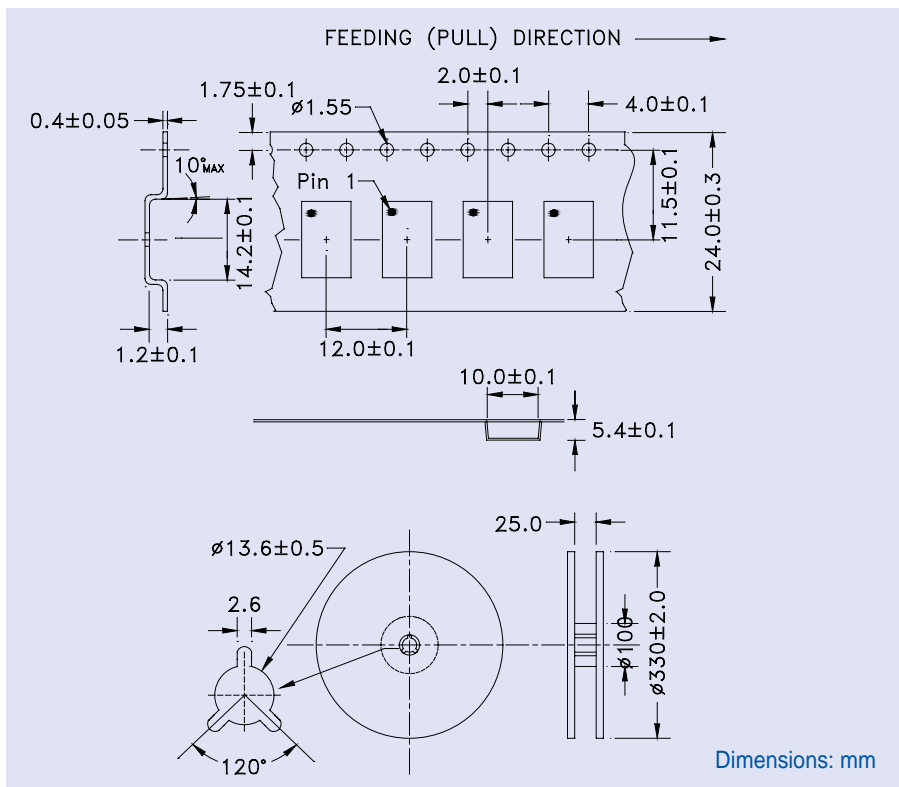


RoHS
Compliant

OUTLINE DRAWING:



TAPE & REEL:



ABRACON IS
ISO 9001 / QS 9000
CERTIFIED



ABRACON
CORPORATION

Visit www.abracon.com for Terms & Conditions of Sale **Revised: 05.01.07**
30332 Esperanza, Rancho Santa Margarita, California 92688
tel 949-546-8000 | fax 949-546-8001 | www.abracon.com