

HCMOS/ TTL COMPATIBLE, J LEADED, PLASTIC MOLDED SMD CRYSTAL CLOCK OSCILLATOR

ASM 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.
- HCMOS and TTL compatible
- Extended temperature -40°C to 85°C option
- Plastic molded SMD
- Tristate Enable/ Disable.

APPLICATIONS:

- Wide range of applications in dialing communication equipment, AV / OA equipment, Measuring equipment.

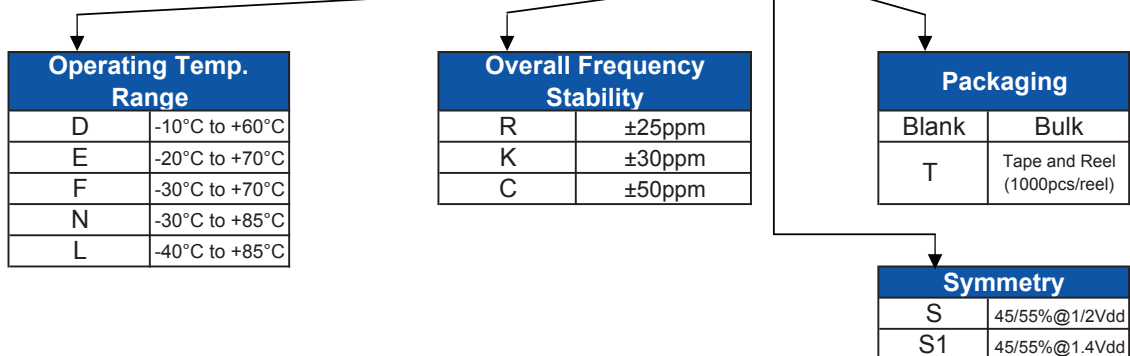
STANDARD SPECIFICATIONS:

PARAMETERS

ABRACON P/N	ASM Series
Frequency range:	1 ~ 125 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):	5.0Vdc ± 10%
Input current:	20 mA max. for F ≤ 20 MHz 40 mA max. for F ≤ 70 MHz 80 mA max. for F ≤ 125 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 50 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:	±5ppm/year max.
Period jitter (1 sigma):	25ps max.

OPTIONS & PART IDENTIFICATION:

ASM - Frequency - □ - □ - □ - □



HCMOS/ TTL COMPATIBLE, J LEADED, PLASTIC MOLDED SMD CRYSTAL CLOCK OSCILLATOR

ASM SERIES

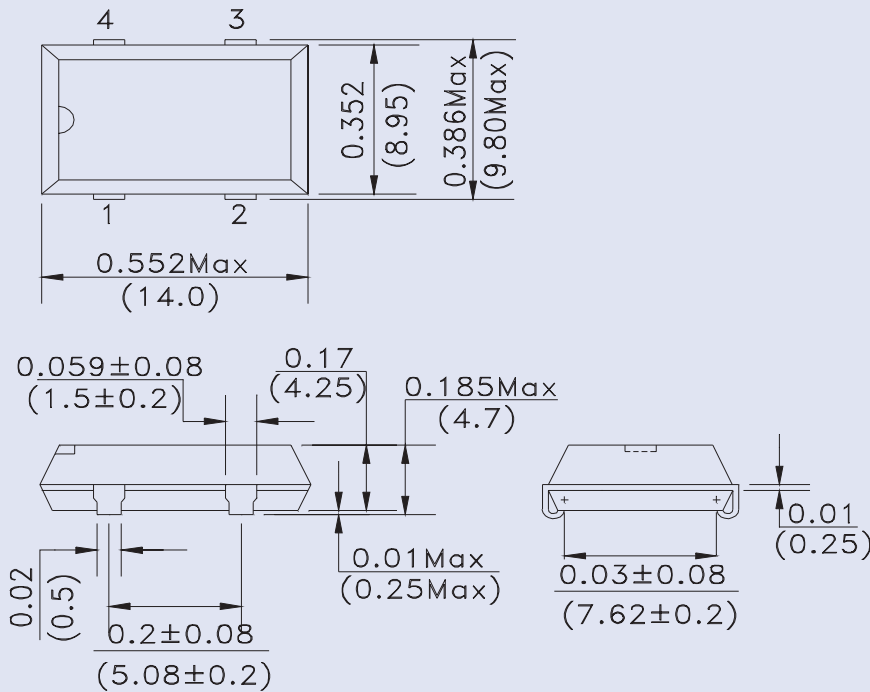
Pb in high temperature solder
(exempt per RoHS 2002/95/EC Annex (7)).

RoHS
Compliant



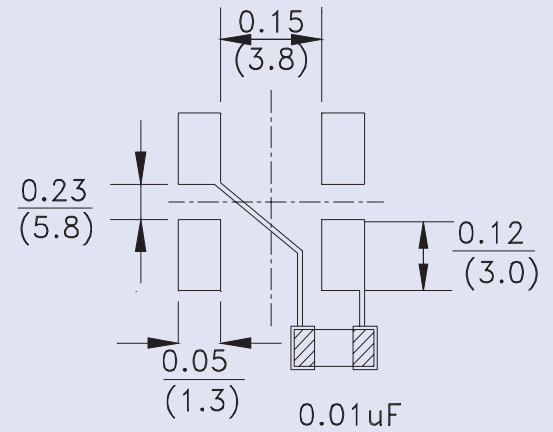
14.0 x 8.95 x 4.7 mm

OUTLINE DRAWING:



Dimension : Inch (mm)

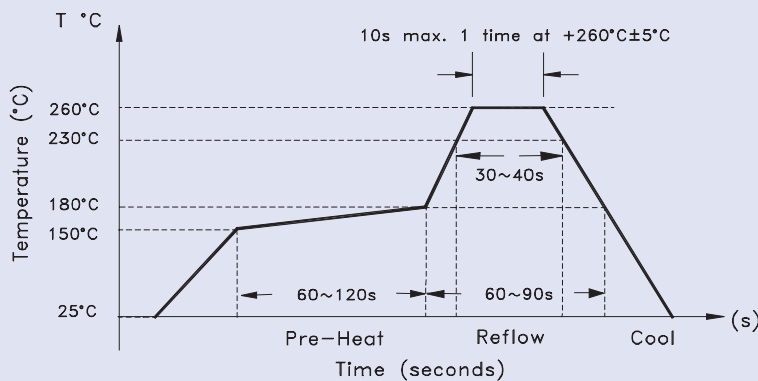
Recommended land pattern



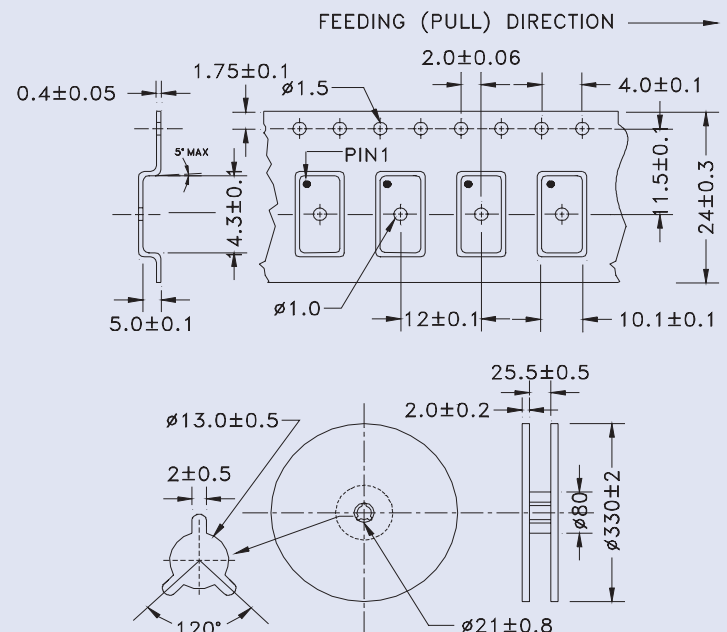
PIN	FUNCTION
1	Tristate
2	GND/Case
3	Output
4	Vdd

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

REFLOW PROFILE:



PACKAGING:



Dimension : mm