

# 3.3Vdc CMOS COMPATIBLE SMD CRYSTAL CLOCK OSCILLATOR



ASE SERIES



3.2 X 2.5 X 1.1mm

## FEATURES:

- Compact and low in height
- Low current consumption
- Tri state function
- Suitable for high density SMT
- IR reflow capable
- Tight stability option

## APPLICATIONS:

- CCD clock for VTR camera
- Equipment connected to PC or PC cards
- Thin equipment

## STANDARD SPECIFICATIONS:

PARAMETERS	
ABRACON P/N	ASE Series
Frequency Range	0.625 ~ 200 MHz
Operating Temperature	-10°C to + 70°C (See Options)
Storage Temperature	-55°C to + 100°C
Overall Frequency Stability	± 100 ppm max. (See Options)
Supply Voltage (Vdd)	3.3 V ± 5%
Input Current	See Table 1
Symmetry	45/55% @ 50%Vdd
Rise and Fall Time (Tr/Tf)	See Table 1
Output Load	15 pF max
Output Voltage	VOH = 0.9* Vdd min. VOL = 0.1* Vdd max.
Tristate Function	"1" (VIH >= 2.2 Vdc) or open: Oscillation "0" (VIL < 0.8 Vdc) : Hi Z
Peak to Peak Jitter	28ps (Typical) *
RMS Jitter	3.6ps (Typical) *
Stand-By Current	10 µA max.

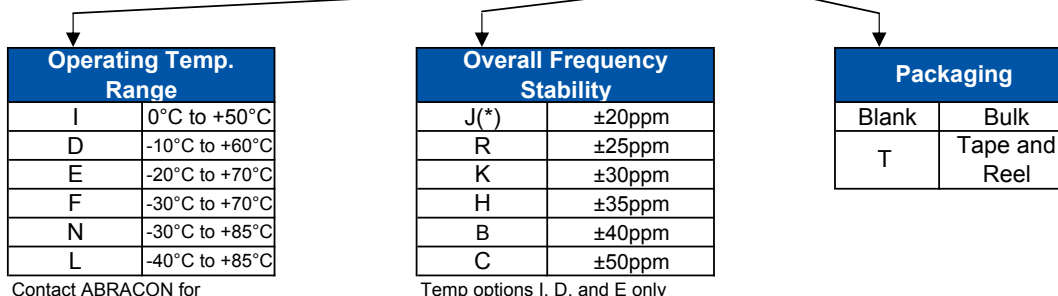
TABLE 1 - Input Current		
Freq. (MHz)	Idd max. (max. mA)	Tr/Tf max (nSec)
~ 30 MHz	10	10 max.
~ 75 MHz	15	10 max.
~ 133 MHz	20	10 max.
~ 200 MHz	25	10 max.

\* = Reference only; Contact Abracon for Jitter values

## OPTIONS & PART IDENTIFICATION:

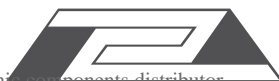
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ASE - Frequency - □ - □ - □



Contact ABRACON for wider temperature range.

Temp options I, D, and E only



# 3.3Vd CMOS COMPATIBLE SMD CRYSTAL CLOCK OSCILLATOR

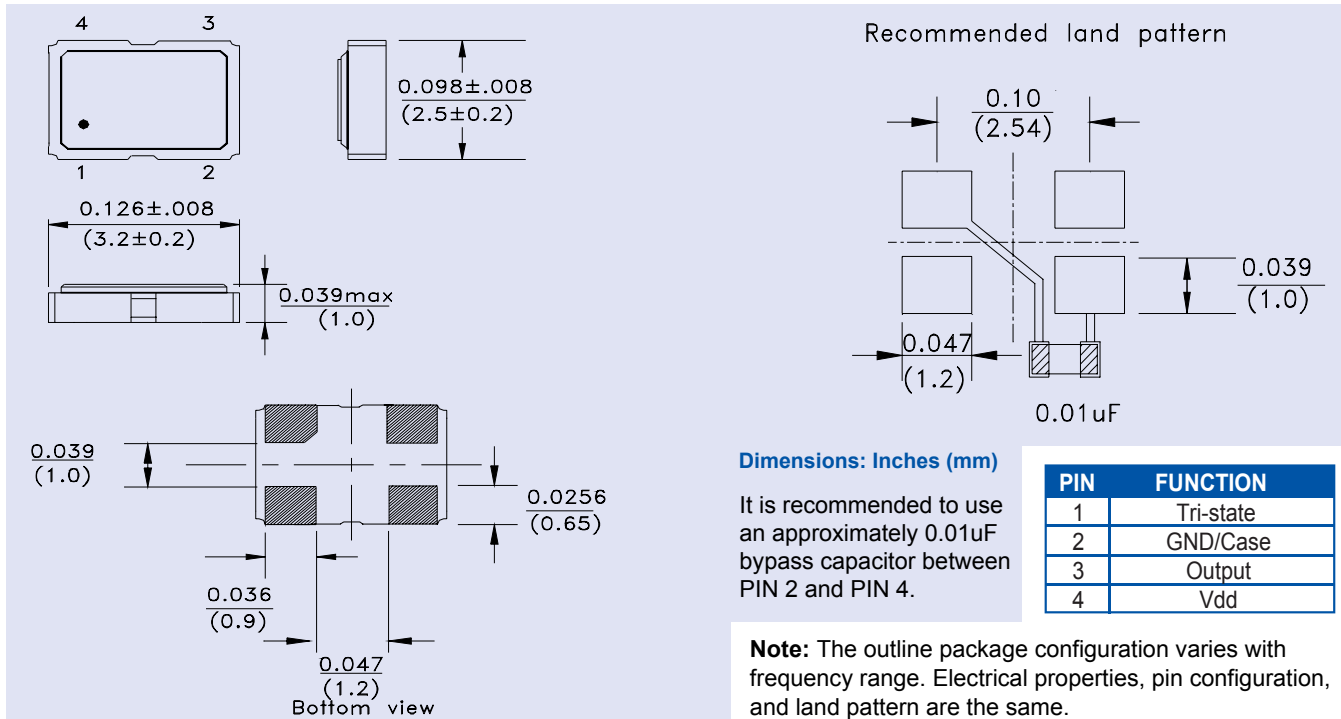


3.2 X 2.5 X 1.1mm

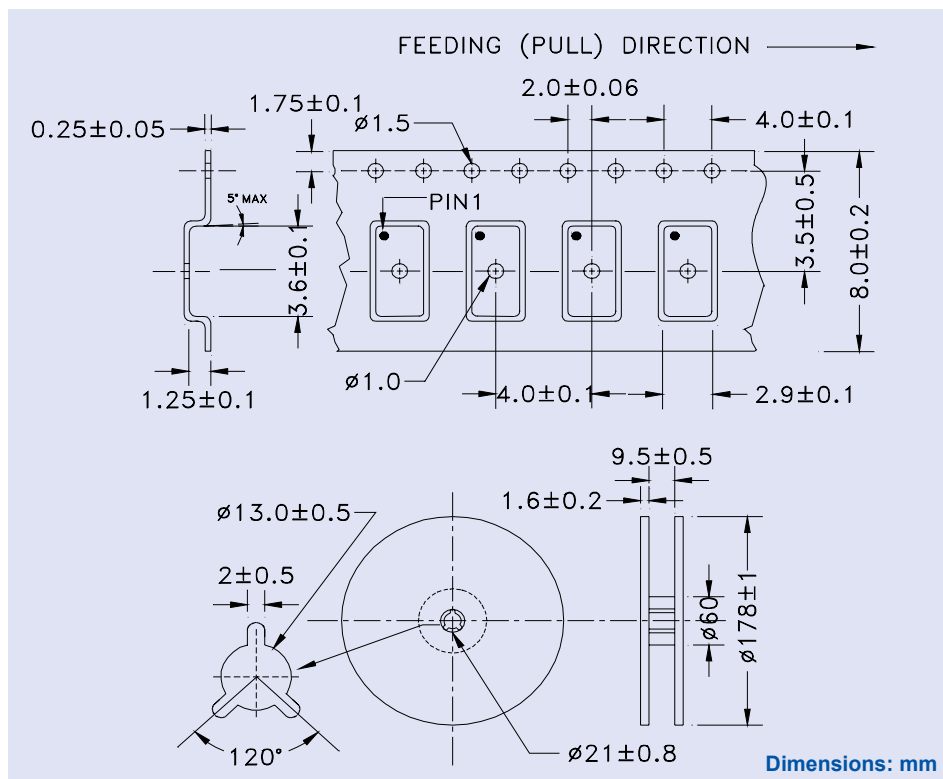
ASE SERIES



## OUTLINE DRAWING:



## TAPE & REEL



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