

1.8Vdc CMOS COMPATIBLE SMD CRYSTAL CLOCK OSCILLATOR



3.2 x 2.5 x 0.9mm

ASE3 SERIES



FEATURES:

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

APPLICATIONS:

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

STANDARD SPECIFICATIONS:

PARAMETERS

ABRACON P/N	ASE3 Series
Frequency Range	0.5 ~ 133 MHz
Operating Temperature	-20°C to +70°C (See Options)
Storage Temperature	-55°C to +100°C
Overall Frequency Stability	± 100 ppm max. (See Options)
Supply Voltage (Vdd)	1.8 Vdc ± 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 >= 1.62 Vdc) or open: Oscillation "0" (VIL < 0.18 Vdc) : Hi Z
Peak to Peak Jitter	32ps (Typical) *
RMS Jitter	4.5ps (Typical) *

TABLE 1- Input Current

Freq. (MHz)	Idd max. (max. mA)	Tr/Tf max. (nSec)
~ 20 MHz	6	10 max.
~ 75 MHz	15	10 max.
~ 133 MHz	16	10 max.

* = Reference only; Contact Abracon for Jitter values

OPTIONS & PART IDENTIFICATION:

(Left blank if standard)

ASE3 - Frequency - □ - □ - □

Operating Temp. Range	
I	0°C to +50°C
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

Contact ABRACON for wider temperature range.

Overall Frequency Stability	
Y(*)	±10ppm
J(**)	±20ppm
R	±25ppm
K	±30ppm
H	±35ppm
B	±40ppm
C	±50ppm

* Available for 0°C to +50°C and -10°C to +60°C only.
** Contact ABRACON for -40°C to +85°C.

Packaging	
T	Tape and Reel



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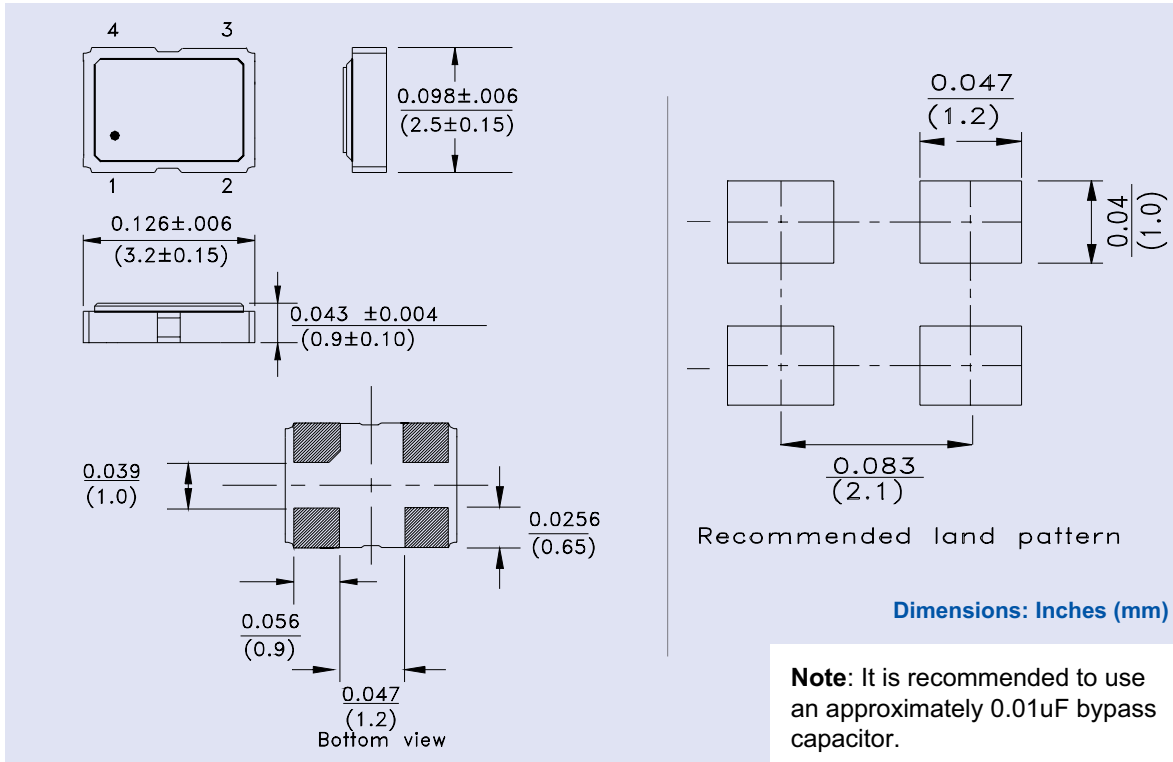


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OUTLINE DRAWING:



TAPE & REEL

