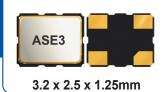
1.8V CMOS COMPATIBLE SMD CRYSTAL CLOCK OSCILLATOR



Tr/Tf max

(nSec)

10 max.

10 max.

10 max.



ASE3 SERIES	

FEATURES:

• Compact and low in height

Suitable for high density SMT

STANDARD SPECIFICATIONS:

- Tri stateLow supply voltage
- IR reflow capable
- Tight stability option available
- Seam sealed package

> APPLICATIONS:

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

- Mobile communication
- Bluetooth
- Wireless LAN

 TABLE 1 - Input Current

 g.
 Idd max.

(max. mA)

4

6

12

Freq.

(MHz)

~ 30 MHz

~ 75 MHz

~ 133 MHz

Flat TV

PARAMETERS	
ABRACON P/N	ASE3 Series
Frequency Range	0.625 ~ 133 MHz
Operating Temperature	-10°C to + 70°C (See Options)
Storage Temperature	-55°C to + 125°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 ≥ 0.7*Vdd) or open: Oscillation "0" (VIL < 0.3*Vdd) : Hi Z
Peak to Peak Jitter	32ps (Typical)
RMS Jitter	4.5ps (Typical)
Stand-by current:	10µA max.

OPTIONS & PART IDENTIFICATION:

(Left blank if standard)

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•		
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		

Contact ABRACON for wider temperature range.

Overall Free	quency Stability	Pac
J(*)	±20ppm	Fau
R	±25ppm	т
K	±30ppm	•
Н	±35ppm	
В	±40ppm	
С	±50ppm	
C	±50ppm	

Temp option I, D, E, and -10 to +70C only.

ASE3 - Frequency - 🗆 - 🗆 -



Visit www.abracon.com for Terms & Conditions of Sale **Revised: 12.21.09** 30332 Esperanza, Rancho Santa Margarita, California 92688 tel 949-546-8000 | fax 949-546-8001 | www.abracon.com

kaging Tape and Reel **CRYSTAL CLOCK OSCILLATOR**



RoHS

Compliant

3.2 x 2.5 x 1.25mm

FUNCTION

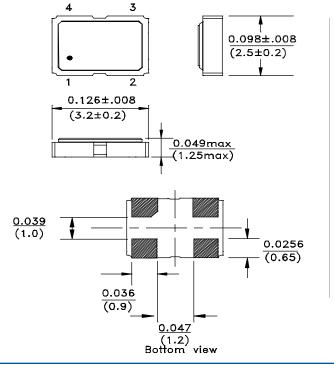
GND/Case

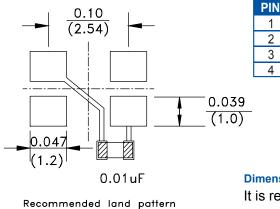
Output

Vdd

OUTLINE DRAWING:

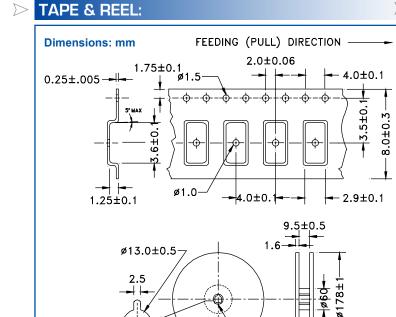
ASE3 SERIES





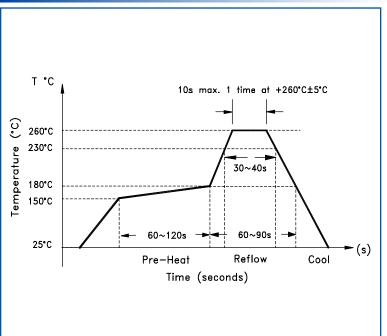
Dimensions: Inches (m	ım)
It is recommended t	o use
an approximately 0.	01uF
bypass capacitor be	tween
PIN 2 and PIN 4.	

Note: The outline package configuration varies with frequency range. Electrical properties, pin configuration, and land pattern are the same.



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REFLOW PROFILE



Need a test socket for the ASE3 Series? To view compatible PRECISION TEST & BURN-IN SOCKETS for these parts, click here.

ABRACON IS

ISO 9001 / QS 9000

Downloaded from Flo

NOTE: Abracon manufactured products are intended for general commercial and industrial use. For applications requiring high reliability and/or presenting extreme operating environment, written consent & authorization from Abracon is required.

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