

1.8V LVCMOS COMPATIBLE SMD CRYSTAL CLOCK OSCILLATOR

ASFL3



5.0 x 3.2 x 1.6 mm

FEATURES:

- Tri state function
- Suitable for high density SMT
- Tight stability option
- Seam sealed package
- IR reflow capable

APPLICATIONS:

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

STANDARD SPECIFICATIONS:

PARAMETERS	
ABRACON P/N:	ASFL3 Series
Frequency:	312 kHz to 125 MHz
Operating temperature:	-10°C to +70°C (see option)
Storage temperature:	- 55°C to + 125°C
Overall Frequency Stability:	±100 ppm max. (see option)
Supply voltage (Vdd):	1.8 Vdc ± 10%
Supply Current (Idd):	15 mA max for 321kHz ~ 30MHz 45 mA max for 30MHz ~ 80MHz 85 mA max for 80MHz ~ 125MHz
Symmetry at 1/2 Vdd:	40/60% max. (see option)
Rise and Fall Times(Tr/Tf):	10 ns max.
Output load:	5TTL or 15pF max.*
Output Voltage:	VOH = 0.9*Vdd min. VOL = 0.1*Vdd max.
Tri-state Function:	"1" or open;: Oscillation; VIH > 0.7*Vdd "0": Output disabled (HI-Z); VIL < 0.3*Vdd
Start-up-time:	10 ms max.
Aging (First year):	±5 ppm max. @25°C

* 30pF max is available. Please contact ABRACON.

OPTIONS AND PART IDENTIFICATION:

(Left blank if standard)

ASFL3 - Frequency - - - -

Operating Temp. Range		Overall Frequency Stability		Duty Cycle		Packaging	
I	0°C to +50°C	J(*)	±20ppm	Blank	40/60% @ 1/2Vdd	T	Tape and Reel 1,000pcs
D	-10°C to +60°C	R	±25ppm				
E	-20°C to +70°C	K	±30ppm	S	45/55% @ 1/2Vdd		
F	-30°C to +70°C	H	±35ppm				
N	-30°C to +85°C	B	±40ppm				
L	-40°C to +85°C	C	±50ppm				

*Temp option I, D, E, and standard temp. only

Please contact ABRACON if parts are intended for life dependent applications.

ABRACON IS
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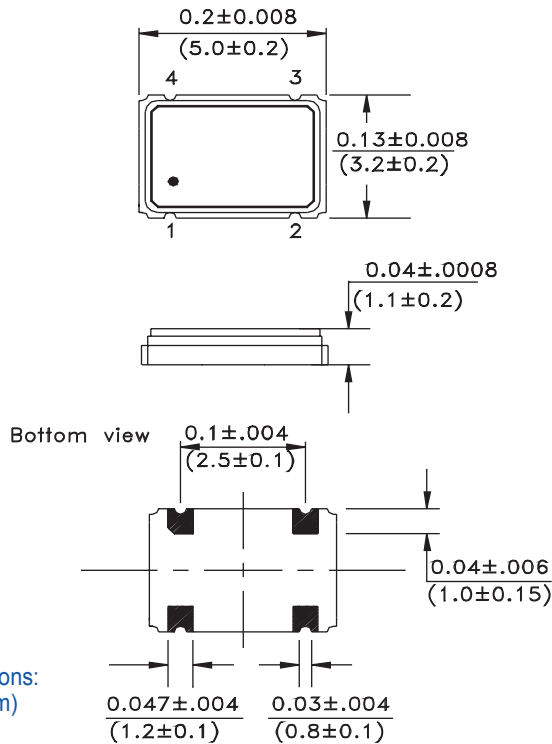


5.0 x 3.2 x 1.6 mm

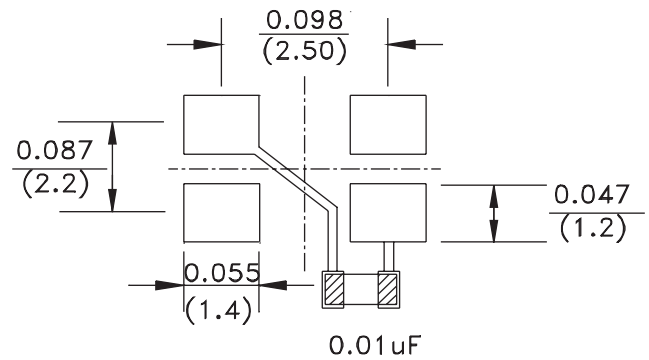
ASFL3



OUTLINE DRAWING:



Recommended land pattern



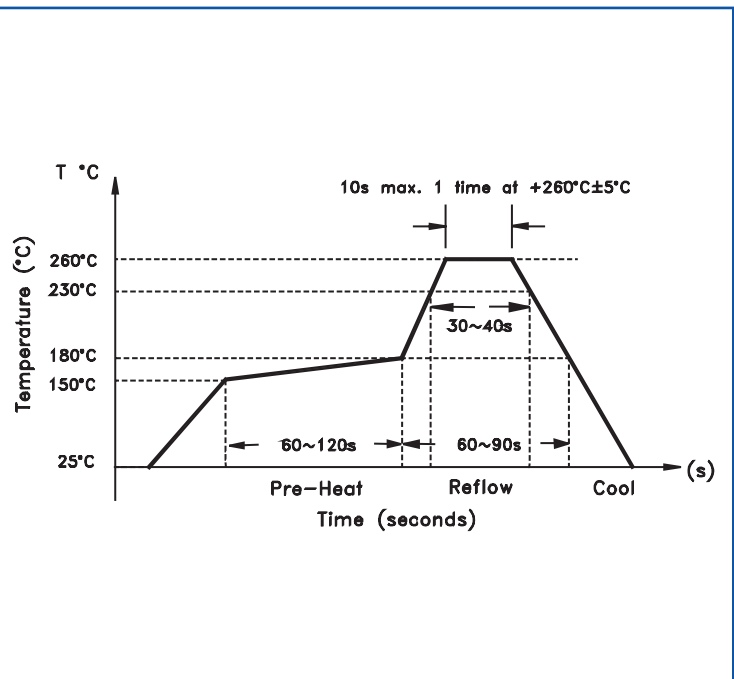
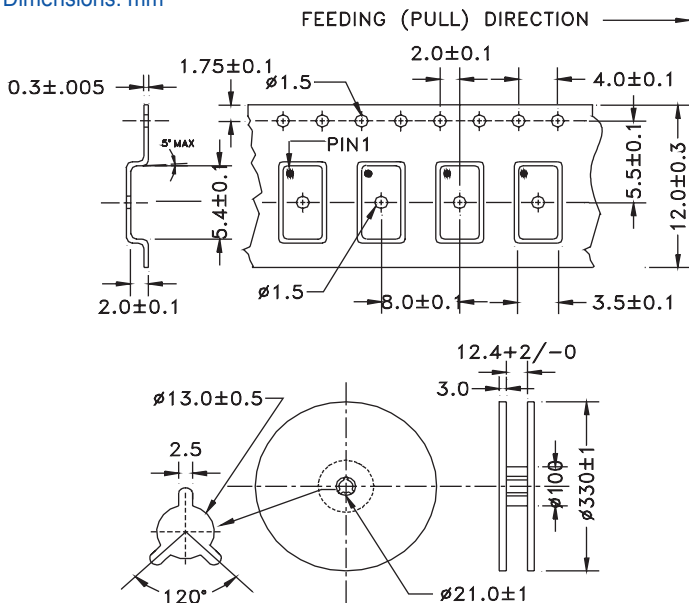
PIN	FUNCTION
1	Tri-State
2	GND
3	Output
4	VDD

Note: It is recommended to use an approximately 0.01uF bypass capacitor between PIN 2 and 4.

TAPE & REEL: Tape and reel 1,000pcs/reel

REFLOW PROFILE:

Dimensions: mm



Need a test socket for the ASFL3 Series? To view compatible **PRECISION TEST & BURN-IN SOCKETS** for these parts, [click here](#).

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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