

1.8V LVCMOS COMPATIBLE SMD CRYSTAL CLOCK OSCILLATOR

ASFL3



RoHS
Compliant



5.0 x 3.2 x 1.6 mm

FEATURES:

- Compact and low in height
- Low current consumption
- Tri state function
- Suitable for high density SMT
- Tight stability option
- Seam sealed package
- 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
Frequency:	1.544 MHz to 70 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):	2 mA max for F < 10MHz 3 mA max for F < 25MHz 4 mA max for F < 40MHz 8 mA max for F ≤ 50MHz 10 mA max for F ≤ 70MHz
Symmetry at 1/2 Vdd:	40/60% @ 1/2Vdd max. (see option)
Rise and Fall Times(Tr/Tf):	6 ns max. for F ≤ 35MHz 3 ns max. for F > 35MHz
Output load:	15pF
Output Voltage:	VOH = 0.9*Vdd min. VOL = 0.1*Vdd max.
Tri State Function:	"1" or open: Oscillation; VIH ≥ 1.6V "0": Output disabled (HI-Z); VIL < 0.8V
Start-up-time:	10 mS max.
Aging per year:	±5 ppm @25°C

OPTIONS AND PART IDENTIFICATION:

(Left blank if standard)

ASFL3 - Frequency - □ - □ - □ - □

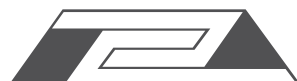
Operating Temp. Range		Overall Frequency Stability		Duty Cycle		Packaging	
I	0°C to +50°C	Y(*)	±10ppm	Blank	40/60% @ 1/2Vdd	T	Tape and Reel 1,000pcs
D	-10°C to +60°C	J(**)	±20ppm				
E	-20°C to +70°C	R	±25ppm	S	45/55% @ 1/2Vdd		
F	-30°C to +70°C	K	±30ppm				
N	-30°C to +85°C	H	±35ppm				
L	-40°C to +85°C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

Contact ABRACON for wider temperature range.

* Available for 0°C to +50°C and -10°C to +60°C only.

** Contact ABRACON for -40°C to +85°C.

ABRACON IS
ISO 9001 / QS 9000
CERTIFIED



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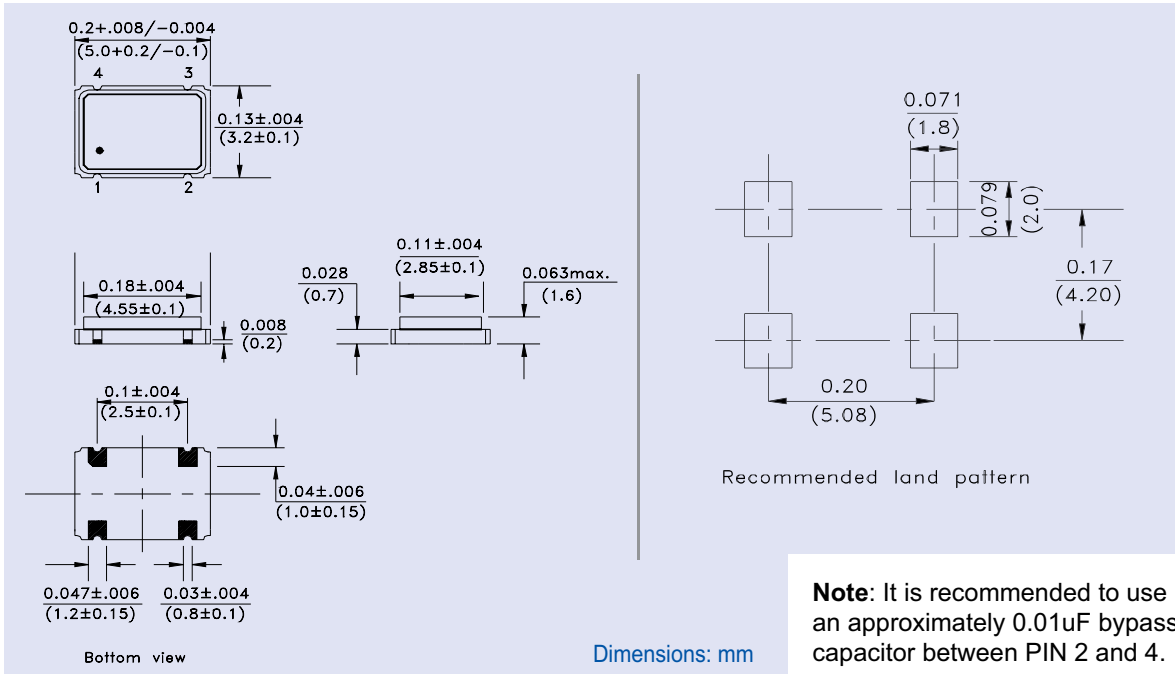


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OUTLINE DRAWING:



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

TAPE & REEL:

