

# 5.0V HCMOS/TTL COMPATIBLE SMD CRYSTAL CLOCK OSCILLATOR



7.0 x 5.08 x 1.8 mm

ASL Series



## FEATURES:

- HCMOS and TTL compatible.
- Available optional -40°C to 85°C extended temperature.
- Tri-state Enable/Disable function.
- IR reflow capable
- Seam sealed.

## APPLICATIONS:

- Provide clock signals for microprocessors, PC mainboards, Graphic cards.
- High output drive capability applications.
- Personal computer, Laptop computer

## STANDARD SPECIFICATIONS:

PARAMETERS	
ABRACON P/N:	ASL Series
Frequency range:	1.000 ~ 125.000 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):	5.0 V ± 10%
Input current:	See Table 1
Symmetry at 1/2Vdd:	40/60 % max. (see options)
Rise and fall time (Tr/Tf):	See Table 1
Output load:	10TTL or 50 pF (1MHz to 70MHz) 10TTL or 15 pF (70.001MHz to 125MHz)
Output voltage:	VOH = 0.9 * Vdd min. VOL = 0.4 * Vdc max.
Start-up time:	10 ms max.
Tri-state function :	"1" (VIH ≥ 0.7*Vdd) or open: Oscillation "0" (VIL < 0.3*Vdd) : Hi Z
Aging at 25°C/year:	±5ppm max.
RMS jitter:	± 25ps max.
Peak to Peak jitter:	± 100ps max.
Power down current (B option):	10µA max.

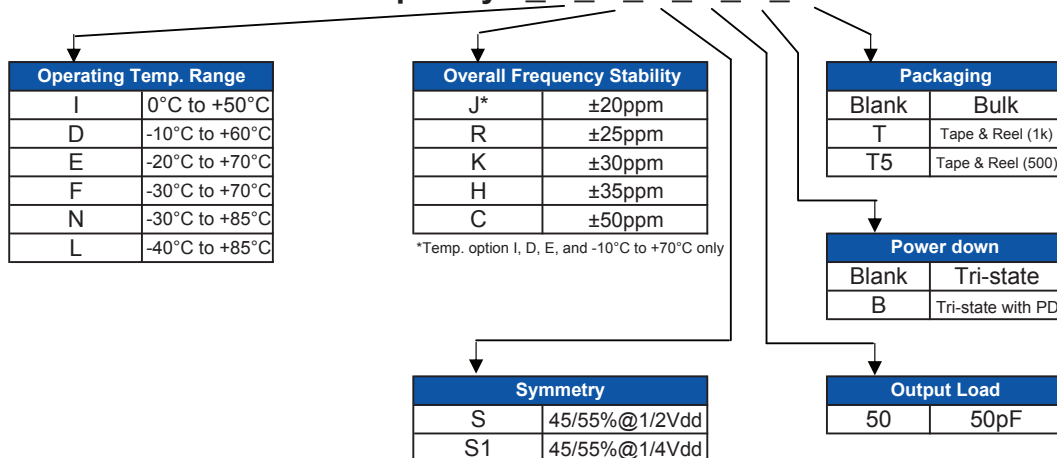
Table 1

Freq. (MHz)	Idd max. (mA)	Tr/Tf max. (nSec)	Freq. (MHz)	Idd max. (mA)	Tr/Tf max. (nSec)
1.0 ~ 34.99	25	10	60.01~100.0	60	5
35.0 ~ 60.0	40	5	100.01 ~ 125	80	2.5

## OPTIONS & PART IDENTIFICATION:

(Left blank if standard)

ASL - Frequency - □ - □ - □ - □ - □ - □ - □



# 5.0V HCMOS/TTL COMPATIBLE SMD CRYSTAL CLOCK OSCILLATOR



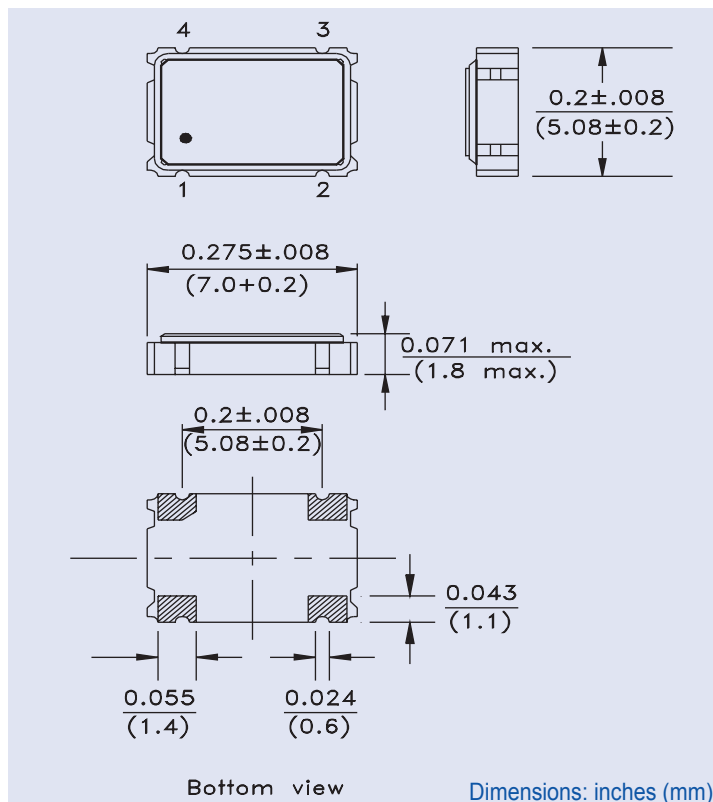
7.0 x 5.08 x 1.8 mm

ASL Series

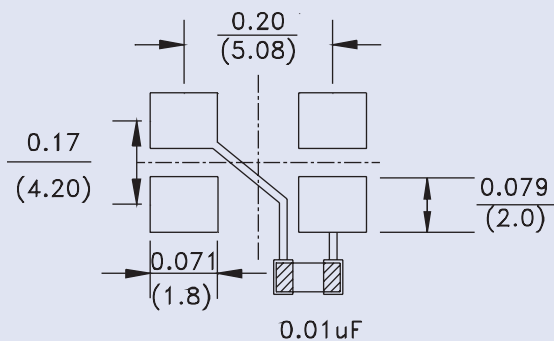


RoHS  
Compliant

## OUTLINE DRAWING:



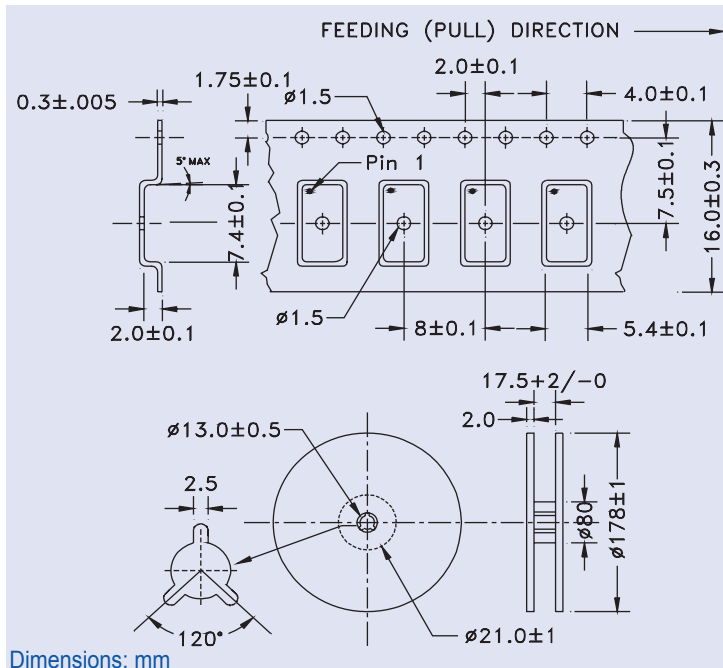
## Recommended land pattern



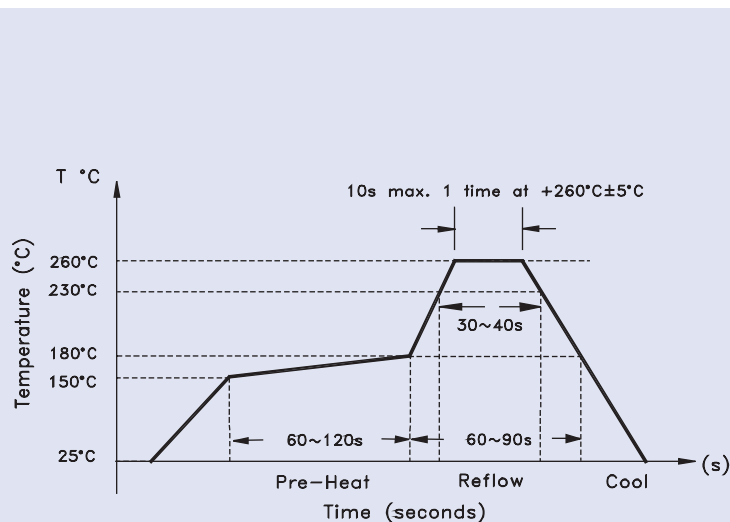
PIN	FUNCTION
1	Tri-state Enable/Disable
2	GND/Case
3	Output
4	Vdd

Note: Recommend using an approximately 0.01uF bypass capacitor between PIN 2 and 4.

## TAPE & REEL:



## REFLOW PROFILE:



Need a test socket for the ASL Series? To view compatible **PRECISION TEST & BURN-IN SOCKETS** for these parts, click here. **P/N: AXS-7050-04-01**

**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.

ABRACON IS  
ISO 9001 / QS 9000  
CERTIFIED



Visit [www.abracon.com](http://www.abracon.com) for Terms & Conditions of Sale **Revised: 08.31.09**  
30332 Esperanza, Rancho Santa Margarita, California 92688  
tel 949-546-8000 | fax 949-546-8001 | [www.abracon.com](http://www.abracon.com)

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Standard Clock Oscillators](#) category:*

*Click to view products by [ABRACON](#) manufacturer:*

Other Similar products are found below :

[EP1400SJTSC-125.000M](#) [601137](#) [601252](#) [CSX750FBC-24.000M-UT](#) [CSX750FBC-33.333M-UT](#) [CSX750FCC-3.6864M-UT](#) [F335-12](#) [F335-25](#) [F535L-50](#) [DSC506-03FM2](#) [ASA-20.000MHZ-L-T](#) [ASA-25.000MHZ-L-T](#) [ASA-27.000MHZ-L-T](#) [ASV-20.000MHZ-LR-T](#) [ECS-2018-160-BN-TR](#) [EL13C7-H2F-125.00M](#) [MXO45HS-2C-66.6666MHZ](#) [NBXDBB017LN1TAG](#) [NBXHBA019LN1TAG](#) [SiT1602BI-22-33E-50.000000E](#) [SIT8003AC-11-33S-2.04800X](#) [SiT8256AC-23-33E-156.250000X](#) [SIT8918AA-11-33S-50.000000G](#) [SM4420TEV-40.0M-T1K](#) [SMA4306-TL-H](#) [F335-24](#) [F335-40](#) [F335-50](#) [F535L-10](#) [F535L-12](#) [F535L-16](#) [F535L-24](#) [F535L-27](#) [F535L-48](#) [PE7744DW-100.0M](#) [CSX750FBC-20.000M-UT](#) [CSX-750FBC33333000T](#) [CSX750FBC-4.000M-UT](#) [CSX750FBC-7.3728M-UT](#) [CSX750FBC-8.000M-UT](#) [CSX-750FCC14745600T](#) [CSX750FCC-16.000M-UT](#) [CSX-750FCC40000000T](#) [CSX750FCC-4.000M-UT](#) [ASA-22.000MHZ-L-T](#) [ASA2-26.000MHZ-L-T](#) [ASA-40.000MHZ-L-T](#) [ASA-48.000MHZ-L-T](#) [ASA-60.000MHZ-L-T](#) [ASF1-3.686MHZ-N-K-S](#)