

# HCMOS/TTL SMD PROGRAMMABLE CRYSTAL CLOCK OSCILLATOR



3.2 x 2.5 x 1.05mm

**ASELP SERIES**

**\* RoHS COMPLIANT**

## FEATURES:

- Quick delivery within one to five days for small quantities
- Wide frequency range from 1MHz up to 125MHz
- Micro miniature size for high density applications
- -40 + 85C industrial operating temperature available

## APPLICATIONS:

- Precision clock frequency for a wide range of emerging technology applications.

## STANDARD SPECIFICATIONS:

PARAMETERS	
Frequency Range	1.000 MHz to 125.000 MHz
Operating Temperature	-20°C to + 70°C (see options)
Storage Temperature	- 55°C to + 125°C
Overall Frequency Stability	± 50 ppm max. (see options)
Supply Voltage (Vdd)	3.3 Vdc ± 10%
Supply Current	25mA max.
Disable Current	15mA max.
Stand-by Current	50µA max. (see options)
Symmetry	40% ~ 60 % max. (see options)
Output Load	15pF max.
Rise and Fall Time (Tr/Tf)	4 ns max.
Output Voltage	VOH = 0.9*Vdd min., VOL = 0.1*Vdd max.
Input (OE) Voltage	VIH = 0.7Vdd min., VIL = 0.02Vdd max.
Start-up Time	10mS max
Output Disable Time	100 ns max.
Output Enable Time (OE)	100 ns max.
Output Enable Time (ST)	10 ms max.
Aging (first year)	± 5ppm / year max

PIN	FUNCTION
1	OE or Stand-by
2	GND
3	Output
4	Vdd

## MARKING:

- XX.XXX (Frequency)
- ASELP ZYX (Z: month A to L; Y: year 0 for 2000, 1 for 2001  
X: Traceability code)

## OPTIONS AND PART IDENTIFICATION (Left blank if standard):

**ASELP - Frequency - Temperature - Overall Frequency Stability - Standby - Packaging**

### Frequency Stability options:

- J for ± 20 ppm max.
- R for ± 25 ppm max.
- K for ± 30 ppm max.
- H for ± 35 ppm max.
- Z for ± 100 ppm max.

### Temperature options:

- D for -10°C to +60°C
- F for -30°C to +70°C
- N for -30°C to +85°C
- L for -40°C to +85°C

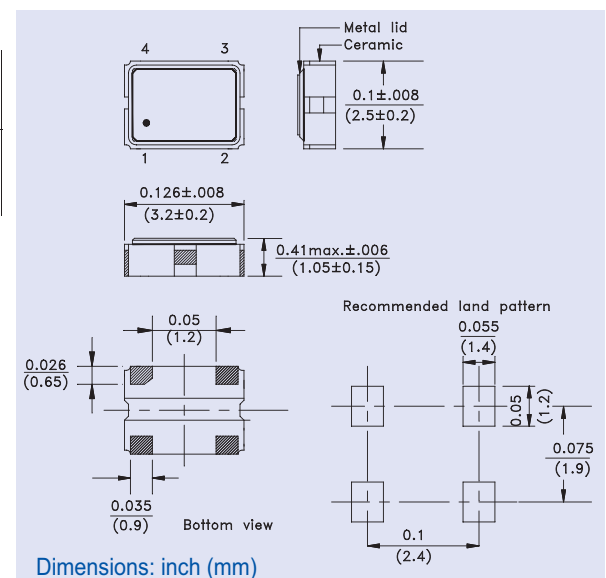
### Standby option:

- B for Standby

### Packaging option:

- T for Tape and Reel (1,000pcs/reel)

## OUTLINE DRAWING:



ABRACON IS  
ISO 9001 / QS 9000  
CERTIFIED

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