

PROGRAMMABLE HCMOS /TTL SMD CLOCK OSCILLATOR

ASVP SERIES



RoHS
Compliant



7.0 x 5.0 x 1.6 mm

FEATURES:

- Suitable for RoHS compliant reflow
- Quick delivery within one to five days for small quantities (<500pcs)
- Tri-state E/ D or Stand-By function.
- Seam sealed package assures high reliability

APPLICATIONS:

- Clocks for a wide range of applications.

For Small
Quantities,
Delivery Time
is 1-5 days

STANDARD SPECIFICATIONS:

Parameters		Minimum	Typical	Maximum	Units	Notes
Frequency Range:		1.0	-----	100.0	MHz	
Operating Temperature:		-20	-----	+70	°C	See options
Storage Temperature:		-55	-----	+125	°C	
Overall Frequency Stability*:		-100	-----	+100	ppm	See options
Supply Voltage (V _{dd}):		3.0	3.3	3.6	V	
Supply Current (I _{dd}):		-----	-----	25	mA	
Output Load		-----	-----	15	pF	
Output Voltage:	V _{OH}	0.9*V _{dd}	-----	-----	V	
	V _{OL}	-----	-----	0.1*V _{dd}	Vdc	
Enable/Disable function:		"1" (V _{IH} ≥0.7*V _{dd}) or Open: Oscillation "0" (V _{IL} <0.2*V _{dd}) : No output				
Symmetry:		45	-----	55	%	@1/2V _{dd}
Start-up Time :		-----	-----	10	ms	
Rise/Fall Time (Tr/Tf):		-----	-----	4	ns	
Jitter Peak-to-Peak :		-----	90	250	ps	F≤40MHz
		-----	50	100		F>40MHz
RMS one sigma :		-----	25	50	ps	F≤40MHz
		-----	20	40		F>40MHz
Disable current:		-----	-----	15	mA	
Stand-by current (B option)		-----	-----	20.0	μA	

OPTIONS & PART IDENTIFICATION:

(Left blank if standard)

ASVP - MHz - - - -

Frequency in MHz

Please specify the frequency in MHz.
e.g. 14.31818MHz

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

Overall Freq. Stability

C: ±50ppm
Please contact Abracon for tighter stability

Stand-By

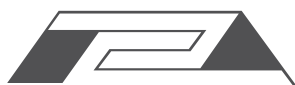
B: Stand-By

Packaging

Blank: Bulk
T: 1000pcs/reel

ABRACON IS
ISO9001:2008
CERTIFIED

Downloaded from Arrow.com



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Revised: 07.25.11

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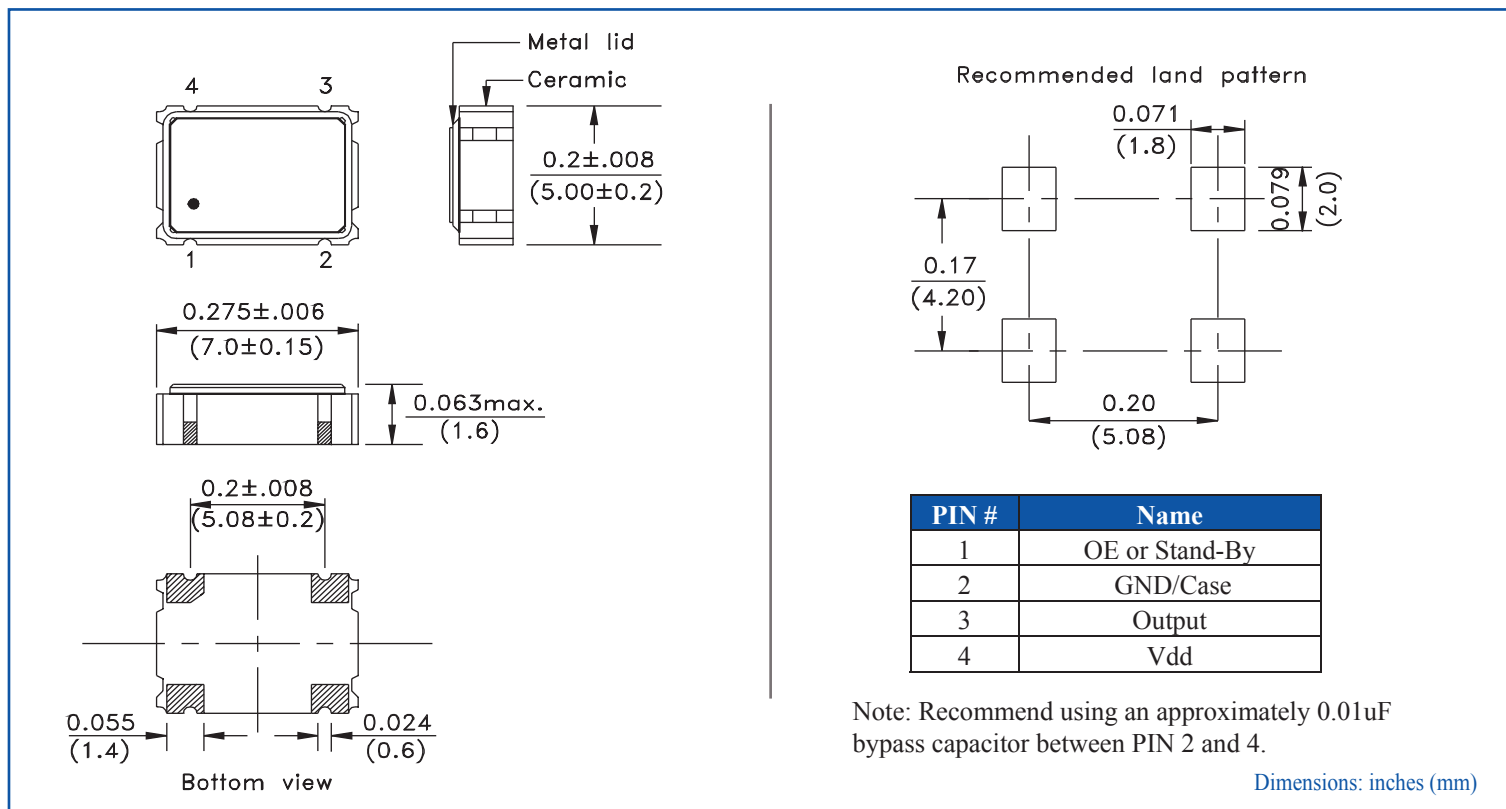


RoHS
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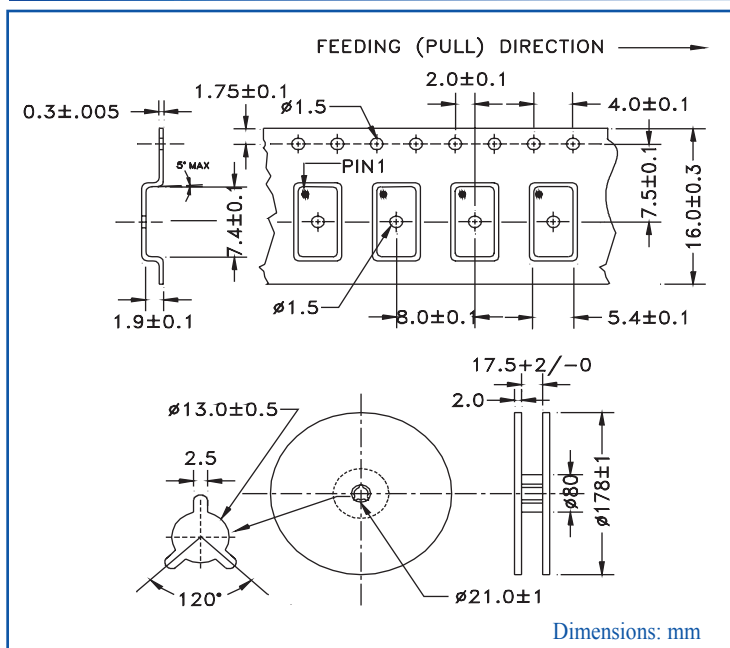


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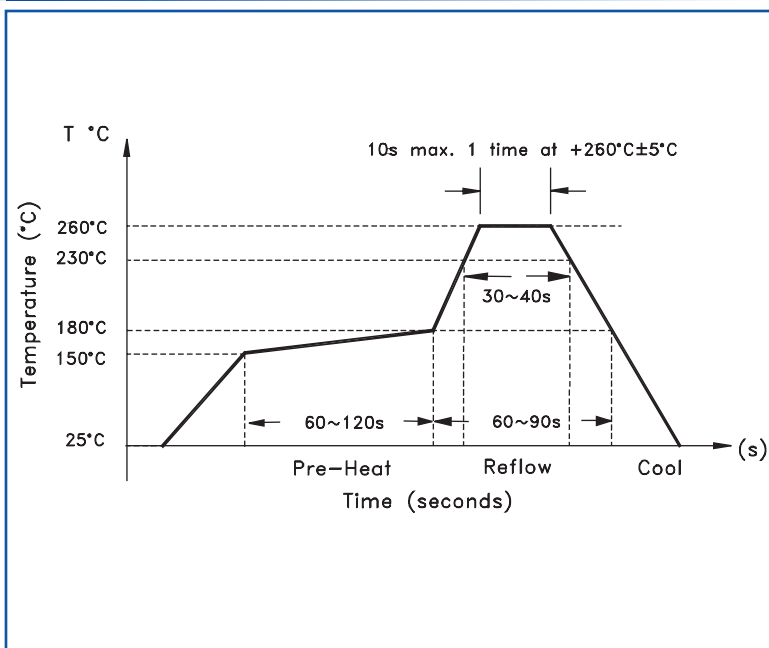
OUTLINE DRAWING:



TAPE & REEL: T= tape and reel (1,000pcs/reel)



REFLOW PROFILE



ATTENTION: Abracon Corporation's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon Corporation is required. Please contact Abracon Corporation for more information.

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