Engineering/Process Change Notice

ECN/PCN No.: 3860

For Manufacturer			
Product Description: Clock Oscillator	**Abracon Part Number / Part Series:** O24M000000S002	☐ Documentation only ☐ ECN ☒ EOL	☐ Series ☒ Part Number
Affected Revision: A	**New Revision:** EOL	**Application:**	☐ Safety ☒ Non-Safety

Prior to Change:

O24M000000S002 Rev. A (page 2)

After Change:

EOL

Cause/Reason for Change:

Discontinuation of this older product package type and associated manufacturing capability.

Change Plan		
Effective Date: 06/24/2021	**Additional Remarks:**	
Change Declaration:		
Issued Date: 06/24/2021	**Issued By:** *Stephanie Lopez*	**Issued Department:** Engineering
Approval: *Thomas Culhane* Engineering Director	**Approval:** *Reuben Quintanilla* Quality Director	**Approval:** *Ying Huang* Purchasing Director

For Abracon EOL only		
Last Time Buy (if applicable): None	**Alternate Part Number / Part Series:** None	
Additional Approval:	**Additional Approval:**	**Additional Approval:**

Customer Approval (If Applicable)		
Qualification Status: ☐ Approved ☐ Not accepted *Note: It is considered approved if there is no feedback from the customer 1 month after ECN/PCN is released.*		
Customer Part Number:	**Customer Project:**	
Company Name:	**Company Representative:**	**Representative Signature:**
Customer Remarks:		

PIN CONNECTIONS	
PIN	Function
# 1	E/D
# 7	Ground
# 8	Output
# 14	Supply Voltage

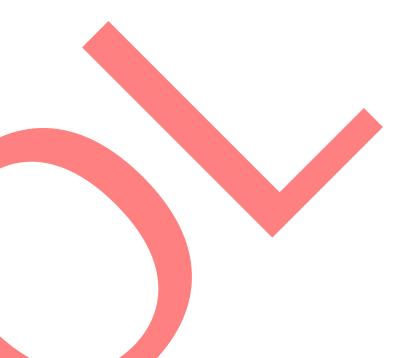|	
Package Type	14x9 SMD 4 Pad
Overall Stability (ppm)	±100 PPM
Operating Temp. Range	-10°C to +70°C
Storage Temperature Range	-55C + 125C
Input Voltage (V DD)	5V DC
Max Input Current (mA)	23.00mA
Output Waveform	TTL/CMOS
0 Level	0.5V / 10% Vdd
1 Level	2.4V / 90% Vdd
Symmetry	45/55
Output Load	1-10 LSTTL/50pF
Rise Fall Time (ns)	10.00ns
Startup Time (ms)	10.00ms
Enable Disable Function	Tri-State

Marking Instruction   AEL4510CSH/Freq/WWYY

Frequency   24.000000

Amdt. Date	Change Note	AEL Code	
		O24M000000S002	
		Issue Ref	A