

ECN/PCN No.: 3463

For Manufacturer			
Product Description: Ceramic SMD Microprocessor Crystal		Abracon Part Number / Part Series: ABM2	
Affected Revision: P		New Revision: Q	
		Application	
		<input checked="" type="checkbox"/> Series	
		<input type="checkbox"/> Part Number	
		<input type="checkbox"/> Safety	
		<input checked="" type="checkbox"/> Non-Safety	
Prior to Change:			
<ol style="list-style-type: none"> 1. ROHS Statement <ol style="list-style-type: none"> a. RoHS/Ro HS II compliant. Pb in Glass, exemption 7C-I per RoHS II Directive 2011/65/EU Annex. 2. Electrical Performance Options <ol style="list-style-type: none"> a. Operating Temperature Range <ol style="list-style-type: none"> i. E: 0°C ~ +70°C ii. B: -20°C ~ +70°C iii. C: -30°C ~ +70°C iv. N: -30°C ~ +85°C v. D: -40°C ~ +85°C vi. J: -40°C ~ +105°C vii. K: -40°C ~ +125°C 3. Mechanical Dimensions (millimeters) <ol style="list-style-type: none"> a. Side view; height dimension = 1.4 ± 0.5 mm MAX 			
After Change:			
<ol style="list-style-type: none"> 1. ROHS Statement <ol style="list-style-type: none"> a. RoHS/Ro HS II compliant. Pb in glass (exempt 7(c) per 2015/863/EU Annex) 2. Electrical Performance Options <ol style="list-style-type: none"> a. Operating Temperature Range <ol style="list-style-type: none"> i. E: 0°C ~ +70°C ii. B: -20°C ~ +70°C iii. C: -30°C ~ +70°C iv. N: -30°C ~ +85°C v. D: -40°C ~ +85°C <li style="color: red;">vi. J: -40°C ~ +105°C (Option "J" removed from offering) <li style="color: red;">vii. K: -40°C ~ +125°C (Option "K" removed from offering) 3. Mechanical Dimensions (millimeters) <ol style="list-style-type: none"> a. Side view; height dimension = 1.6 ± 0.2 mm MAX 			
Cause/Reason for Change:			
<ol style="list-style-type: none"> 1. Standard review and upgrade of product series. 2. Due to raw material availability, part size/dimension adjustments were implemented. 3. Wider operating ranges for this crystal package removed from offering due to lack of demand. 			
Change Plan	Effective Date: 10/15/2019	Additional Remarks: N/A	
Change Declaration: These changes do not negatively impact electrical performance of this series.			
Issued Date: 10/15/2019		Issued By: Brooke Cushman	
		Issued Department: Engineering	
Approval: Syed Raza Engineering VP		Approval: Reuben Quintanilla Quality Manager	
		Approval: Ying Huang Purchasing Director	
For Abracon EOL only			
Last Time Buy (if applicable): N/A		Alternate Part Number / Part Series: N/A	
Additional Approval: N/A		Additional Approval: N/A	
		Additional Approval: N/A	

Customer Approval (If Applicable)		
Qualification Status: <input type="checkbox"/> Approved <input type="checkbox"/> Not accepted Note: It is considered approved if there is no feedback from customer 1 month after ECN/PCN is released		
Customer Part Number:		Customer Project:
Company Name:	Company Representative:	Representative Signature:
Customer Remarks:		