

ECN/PCN No.: 3611

For Manufacturer					
Product Description: Automotive&Industrial Grade 32.768kHz SMD Crystal	Abracon Part Number / Part Series: ABS07AIG			<input checked="" type="checkbox"/> Series <input type="checkbox"/> Part Number	
Affected Revision: C	New Revision: D			Application: <input type="checkbox"/> Safety <input checked="" type="checkbox"/> Non-Safety	
Prior to Change:					
<u>Electrical Specifications:</u>					
1. Parameter "Shift through standard RoHS reflow, (2) reflow cycles maximum":					
Shift through standard RoHS reflow, (2) reflow cycles maximum	-2		+2	ppm	260°C peak maximum reflow temperature, relative to stand-alone set-tolerance frequency
2. Parameter "Shunt capacitance (C0)":					
Shunt capacitance (C0)		1.1		pF	
<u>Reliability Test Conditions:</u>					
1. Test item & condition "Mechanical Shock":					
Mechanical Shock	3000 Gs, Halfsine, 0.3ms in each direction (X, Y, Z)				
2. Test item & condition "Sinusoidal Vibration":					
Sinusoidal Vibration	20Gs Peak, 10-55Hz & 55-2000Hz, 1.5mm Amplitude, 4 hours each axis (X, Y, Z)				
After Change:					
<u>Electrical Specifications:</u>					
1. Parameter "Shift through standard RoHS reflow, (2) reflow cycles maximum": PARAMETER REMOVED					
2. Parameter "Shunt capacitance (C0)": PARAMETER REVISED					
Shunt capacitance (C0)		<1.4		pF	
<u>Reliability Test Conditions:</u>					
1. Test item & condition "Mechanical Shock": PARAMETER REMOVED					
2. Test item & condition "Sinusoidal Vibration": PARAMETER REMOVED					
Cause/Reason for Change:					
Abracon introduced additional manufacturing sources to ensure product availability and to be in a better position to meet long term customer demand. Updated electrical specifications to reflect the product produced by all manufacturing sources.					
Change Plan					
Effective Date: 12/04/2020			Additional Remarks: N/A		
Change Declaration:					
This statement addresses both the electrical changes and the addition of additional manufacturing lines.					
Issued Date: 12/04/2020		Issued By: Brooke Cushman – Product Engineer		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): N/A	Alternate Part Number / Part Series:	
Additional Approval:	Additional Approval:	Additional Approval:
Customer Approval (If Applicable)		
Qualification Status: <div style="text-align: center;"> <input type="checkbox"/> Approved <input type="checkbox"/> Not accepted </div> <i>Note: It is considered approved if there is no feedback from the customer 1 month after ECN/PCN is released.</i>		
Customer Part Number:	Customer Project:	
Company Name:	Company Representative:	Representative Signature:
Customer Remarks:		

AFFECTED PART NUMBERS:

ABS07AIG-32.768KHZ
 ABS07AIG-32.768KHZ-1
 ABS07AIG-32.768kHz-1-T
 ABS07AIG-32.768KHZ-6
 ABS07AIG-32.768kHz-6-1-T
 ABS07AIG-32.768kHz-6-D-T
 ABS07AIG-32.768kHz-6-T
 ABS07AIG-32.768KHZ-7
 ABS07AIG-32.768KHZ-7-1
 ABS07AIG-32.768kHz-7-1-T
 ABS07AIG-32.768KHZ-7-D
 ABS07AIG-32.768kHz-7-D-T
 ABS07AIG-32.768kHz-7-T
 ABS07AIG-32.768KHZ-9
 ABS07AIG-32.768KHZ-9-1
 ABS07AIG-32.768kHz-9-1-T
 ABS07AIG-32.768KHZ-9-4
 ABS07AIG-32.768KHZ-9-D
 ABS07AIG-32.768kHz-9-D-T
 ABS07AIG-32.768kHz-9-T
 ABS07AIG-32.768kHz-D-T
 ABS07AIG-32.768kHz-T