

ECN/PCN No.: 3656

**For Manufacturer**

Product Description: 32.768kHz SMD Low Profile Crystal	Abracon Part Number / Part Series: ABS07-120-32.768kHz-T	<input type="checkbox"/> Series <input checked="" type="checkbox"/> Part Number
Affected Revision: D	New Revision: E	Application: <input type="checkbox"/> Safety <input checked="" type="checkbox"/> Non-Safety

Prior to and After Change:

**Electrical Specifications**

Parameter	Min.	Typ.	Max	Units	
<b>Temperature Coefficient</b>	-0.045	-0.035	-0.025	ppm/T <sup>2</sup>	<b>Before</b>
	-0.045	-0.035		ppm/T <sup>2</sup>	<b>After</b>

Parameter	Min.	Typ.	Max	Units	
<b>Shunt capacitance (C0)</b>		1.1		pF	<b>Before</b>
			1.60	pF	<b>After</b>

Parameter	Min.	Typ.	Max	Units	
<b>Motional capacitance (Cm)</b>		4.7		fF	<b>Before</b>
		3.0 ~ 6.0		fF	<b>After</b>

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: 09/11/2020	Additional Remarks:
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**Change Declaration:**  
This statement addresses both the electrical changes and the addition of additional manufacturing lines.

Issued Date: 09/11/2020	Issued By:	Issued Department:
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Approval:	Approval:	Approval:
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**For Abracon EOL only**

Last Time Buy (if applicable):	Alternate Part Number / Part Series:
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Additional Approval:	Additional Approval:	Additional Approval:
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## 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: