

ECN/PCN No.: 3145

For Manufacturer

Product Description: 32.768kHz SMD Low Profile Crystal	Abrakon Part Number / Part Series: ABS07-120-32.768kHz-T	☐ Series ☒ Part Number
Affected Revision: Rev. B	New Revision: Rev. C	Application: ☐ Safety ☒ Non-Safety

Prior to Change

ELECTRICAL SPECIFICATIONS

Shunt capacitance (C0):

- Typical → 1.20 pF

Parameters	Minimum	Typical	Maximum	Units
Shunt capacitance (C0)		1.20		pF

Motional capacitance (Cm):

- Minimum → 3.0 fF
- Typical → 3.7 fF
- Maximum → 4.4 fF

Parameters	Minimum	Typical	Maximum	Units
Motional capacitance (Cm)	3.0	3.7	4.4	fF

After Change

ELECTRICAL SPECIFICATIONS

Shunt capacitance (C0):

- Typical → 1.10 pF

Parameters	Minimum	Typical	Maximum	Units
Shunt capacitance (C0)		1.10		pF

Motional capacitance (Cm):

- Minimum → not specified
- Typical → 4.7 fF
- Maximum → not specified

Parameters	Minimum	Typical	Maximum	Units
Motional capacitance (Cm)		4.7		fF

Cause/Reason for Change:

Revision of the electrical specifications to align with the product design.

Change Plan

Effective Date: 07/02/20	Additional Remarks: N/A
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Change Declaration:

Revision of the typical electrical specifications to align with a new production line processes, needed to address production capacity and flexibility of delivery.

Issued Date: 07/02/20	Issued By: Brooke Cushman	Issued Department: Engineering
Approval: Syed Raza Engineering VP	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: N/A	
Additional Approval: N/A	Additional Approval: N/A	Additional Approval: N/A
Customer Approval (If Applicable)		
Qualification Status: ☐ Approved ☐ Not accepted <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:		