

Engineering/Process Change Notice

ECN/PCN No.: 3818

	For Manufacturer			
Product Description: 32.768kHz SMD Crystal	Abracon Part Number / Part Series: ABS10	□ Documentation only □ ECN ☑ EOL	⊠ Series □ Part Number	
Affected Revision: K	New Revision: EOL	Application:	□ Safety ⊠ Non-Safety	
Prior to Change: ABS10 Rev. K				
After Change:				
EOL				
Cause/Reason for Change: Discontinuation of this older product p	ackage type and associated manufa	cturing capability.		
Change Plan				
Effective Date: 05/7/2021	Additional Remarks:			
Change Declaration:				
Issued Date:	Issued By:	Issued Department:		
05/7/2021	Stephanie Lopez Engineering		ng	
Approval:	Approval:	Approval:		
Thomas Culhane	<i>Reuben Quintanilla</i> Quality Director		<i>Ying Huang</i> Purchasing Director	
Engineering Director	-	Purchasing D	irector	
Lest Time Deve (if every line bla)	For Abracon EOL only			
Last Time Buy (if applicable): 06/30/2021	Alternate Part N	Alternate Part Number / Part Series: None		
Additional Approval:	Additional Approval:	Additional Approval:		
	Customer Approval (If Applicab	le)		
Qualification Status: Note: It is considered approved if there is n	Approved Not accepted fourther the sustainer 1 month	after ECN/DCN is released		
Customer Part Number:	Customer Proj	ect:		
Company Name:	Company Representative:	Representative Signature	Representative Signature:	
Customer Remarks:				

Form #7020 | Rev. G | Effective: 02/22/2021 |

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32.768 kHz S MD LOW PR OFILE CRYSTA L

ABS10



ABS10 is not recommended for new designs. Please consider the ABS04W or ABS05.

FEATURES:

- Low frequency in small size SMD
- 1.0mm height ideal for high density circuit boards
- Ceramic package offers excellent environmental & heat resistance
- Extended temperature -40°C to +85°C for industrial applications

APPLICATIONS:

Wide range in communication & measuring equipment

RoHS

Compliant

- Commercial & Industrial applications
- Wireless communications
- PDA and Palm Pilots

STANDARD SPECIFICATIONS:

ABS10 Series
32.768 kHz
-40°C to + 85°C
+25°C to ±5°C
-55°C to +125°C
±20 ppm max. (see option)
- 0.034±0.006 ppm/T ²
70 kohms max.
12.5 pF (see option)
1.0 μW max.
± 5 ppm max.
500 MΩ with 100 Vdc ±15V
1.0pF typ.
2.0fF typ.

TUNING FORK CRYSTAL TEMPERATURE CURVE



> OPTIONS AND PART IDENTIFICATION: (Left blank if standard) ABS10 - 32.768kHz - I 4-Load Capacitance Packaging Blank: 12.5pF Blank: Bulk 9: 9pF

7: 7pF *Contact ABRACON for non-standard load capacitances.

Freq. Tolerance	
Blank: ± 20 ppm	
1: ± 10 ppm	
4: ± 30 ppm	





5101 Hidden Creek Ln Spicewood TX 78669 Phone: 512-371-6159 | Fax: 512-351-8858 For terms and conditions of sales, please visit: www.abracon.com

REVISED: 03-04-21

ABRACON IS ISO9001-2015 CERTIFIED

32.768kHz SMD LOW PROFILE CRYSTAL

ABS10

RoHS Compliant 4.9 x 1.8 x 1.0 mm

OUTLINE DRAWING:

ABS10





ATTENTION: Abracon Corporation's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon Corporation is required. Please contact Abracon Corporation for more information.



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