

ECN/PCN No.: 3705

For Manufacturer			
Product Description: SMD Low Profile Crystal	Abracon Part Number / Part Series: ABS06L	<input type="checkbox"/> Documentation only <input type="checkbox"/> ECN <input checked="" type="checkbox"/> EOL	<input checked="" type="checkbox"/> Series <input type="checkbox"/> Part Number
Affected Revision: A	New Revision: EOL	Application:	<input type="checkbox"/> Safety <input checked="" type="checkbox"/> Non-Safety
Prior to Change: ABS06L Rev A 09/17/14			
After Change: EOL			
Cause/Reason for Change: Production is discontinued due to the aging of capital equipment used to produce this device.			
Change Plan			
Effective Date: Immediate	Additional Remarks: None		
Change Declaration: This statement addresses the EOL of the ABS06L low profile 32.768kHz tuning fork resonator.			
Issued Date: 9/30/2021	Issued By:	Issued Department: Engineering	
Approval:	Approval:	Approval:	
For Abracon EOL only			
Last Time Buy (if applicable): None	Alternate Part Number / Part Series: ABS06 (taller height) https://abracon.com/Resonators/ABS06.pdf		
Additional Approval:	Additional Approval:	Additional Approval:	
Customer Approval (If Applicable)			
Qualification Status: <input type="checkbox"/> Approved <input type="checkbox"/> 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:			

32.768kHz SMD LOW PROFILE CRYSTAL

ABS06L



ABS06L

RoHS/RoHS II Compliant

2.0 x 1.2 x 0.38mm

Moisture Sensitivity Level (MSL) – This product is Hermetically Sealed and not Moisture Sensitive - MSL = N/A: Not Applicable

➤ **FEATURES:**

- Lowest height kHz package for 32.768kHz Crystals
- 0.38mm 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:**

- Smart Display Credit Cards
- Wide range in communication & measuring equipment
- Commercial & Industrial applications
- Wireless communications
- PDA and Palm Pilots
- Credit Cards with Security Technology

➤ **STANDARD SPECIFICATIONS:**

Parameters	Minimum	Typical	Maximum	Units	Notes
Frequency		32.768		kHz	
Operation Mode	Flexural Mode (Tuning Fork)				
Operating Temperature	-40		+85	°C	
Storage Temperature	-55		+125	°C	
Frequency Tolerance @+25°C			+20		See options
Temperature Coefficient	4	-0.03	02	ppm	
Turn-over temperature	20	+25		°C	
Equivalent series resistance (ESR)			1	kΩ	
Load capacitance	12.5			pF	See options
Drive Level		0.1	0.5	μW	
Aging (@ 25°C)	-3		+3	ppm	First year
Insulation Resistance	0			MΩ	@ DC 100±15V

➤ **OPTIONS AND PART IDENTIFICATION**

(Left blank if standard)

BS06L - 32.768 kHz - - -

Load Capacitance
Blank: 12.5pF
9: 9pF

Frequency Tolerance
Blank: ±20ppm
4: ±30ppm

Packaging
Blank: Bulk
T: Tape & Reel (3000pcs/reel)

±10ppm tolerance is available. Please contact Abracon for more information.

32.768kHz SMD LOW PROFILE CRYSTAL

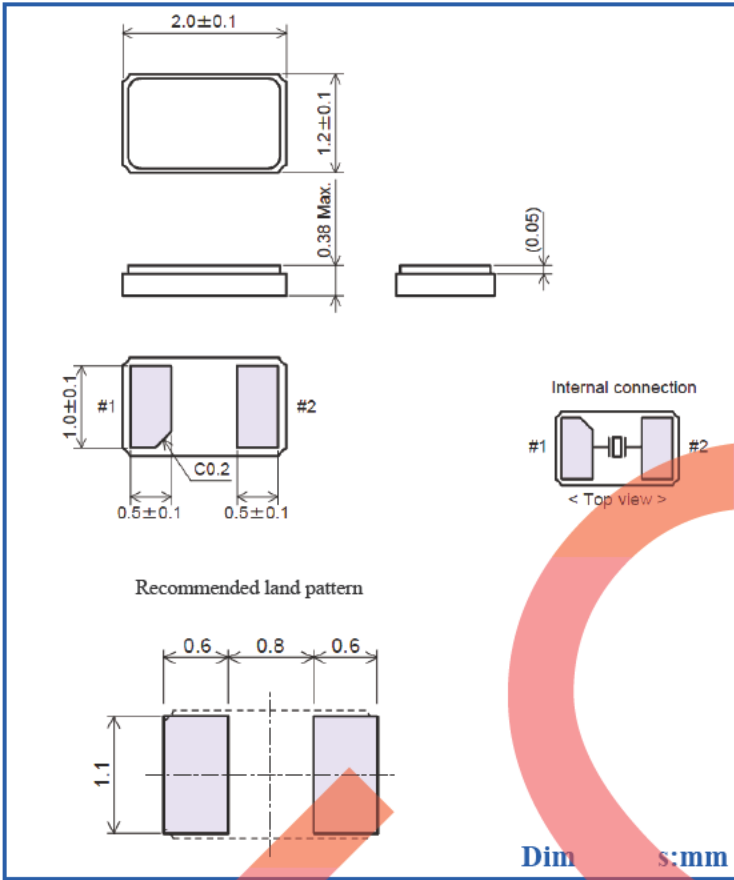


2.0 x 1.2 x 0.38mm

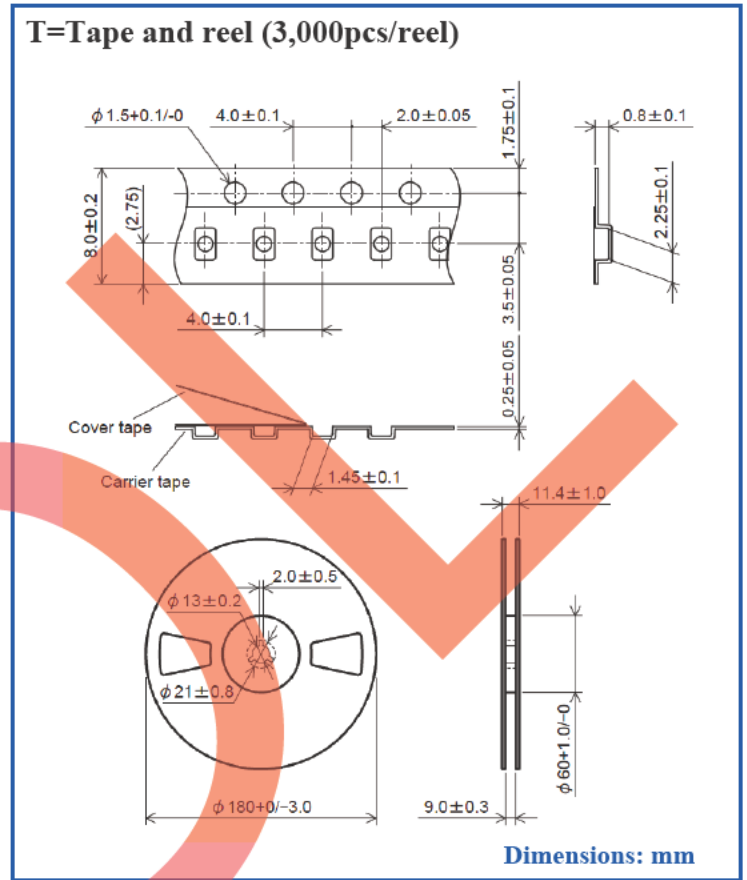
ABS06L

RoHS/RoHS II Compliant

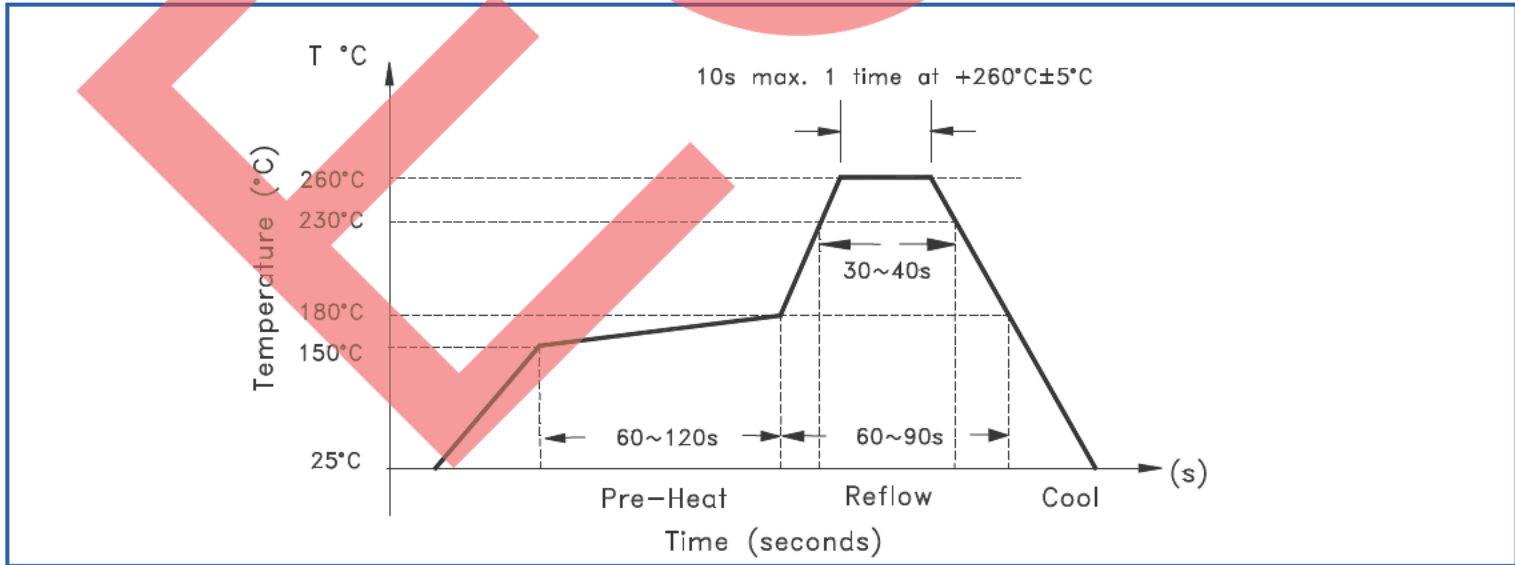
OUTLINE DRAWING:



TAPE & REEL:



REFLOW PROFILE:



Need a test socket for the ABS06 Series? To view compatible **PRECISION TEST & BURN-IN SOCKETS** for these parts, [click here](#). P/N AXS-2012-02-04

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.

ABRACON IS
ISO 9001:2008
CERTIFIED



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