



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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		+20	ppm	See options
Temperature Coefficient	-0.04	-0.03	-0.02	ppm/T ²	
Turn-over temperature	+20	+25	+30	°C	
Equivalent series resistance (ESR)			100	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	500			MΩ	@ DC 100±15V

OPTIONS AND PART IDENTIFICATION:

(Left blank if standard)

ABS06L - 32.768 kHz - - -

Load Capacitance	Frequency Tolerance	Packaging
Blank: 12.5pF	Blank: ±20ppm	Blank: Bulk
9: 9pF	4: ±30ppm	T: Tape & Reel (3000pcs/reel)
Contact Abracon for non-standard capacitance	±10ppm tolerance is available. Please contact Abracon for more information.	



32.768kHz SMD LOW PROFILE CRYSTAL

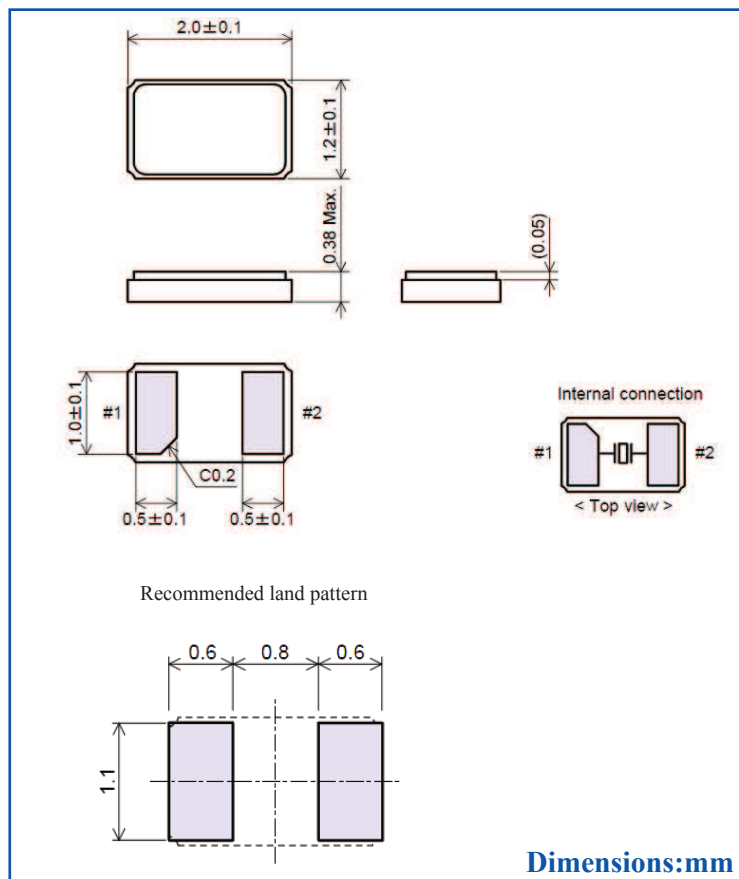
ABS06L

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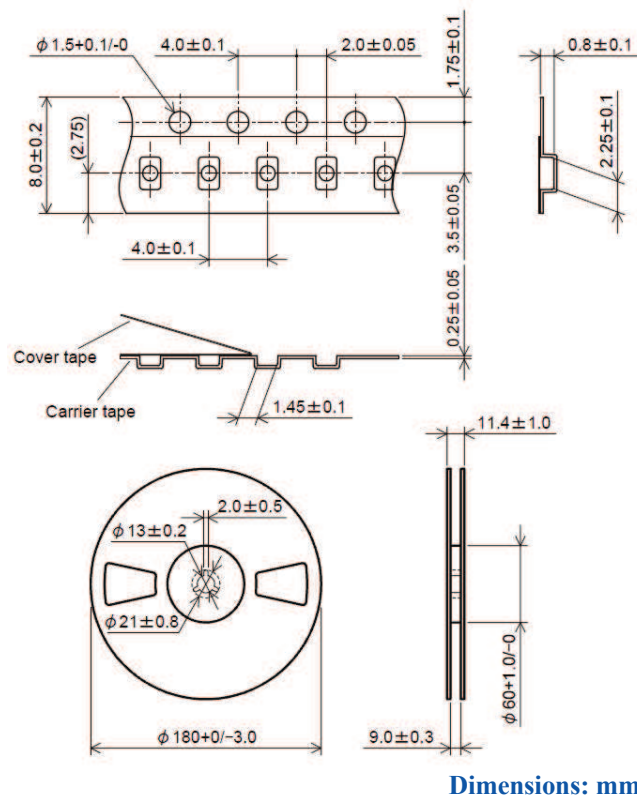
2.0 x 1.2 x 0.38mm

OUTLINE DRAWING:

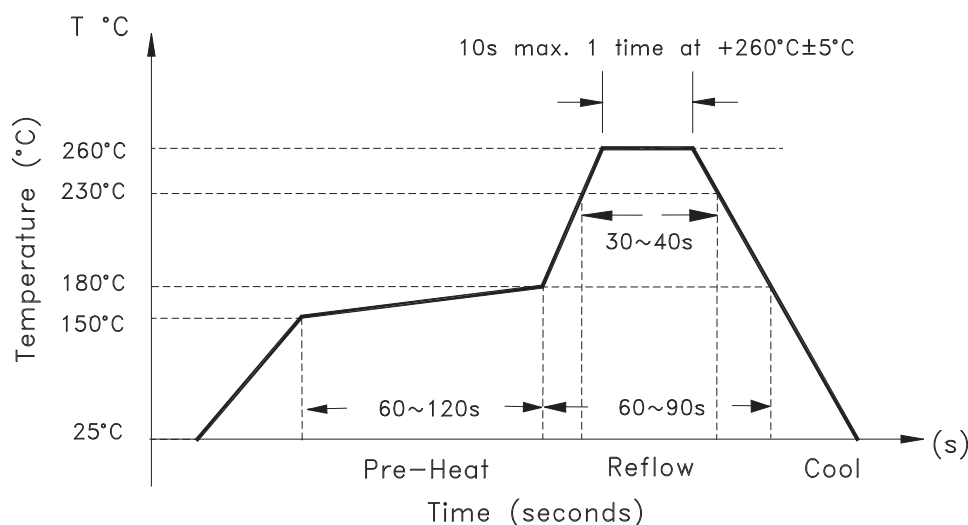


TAPE & REEL:

T=Tape and reel (3,000pcs/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

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ABRACON IS
ISO 9001:2008
CERTIFIED



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