

32.768kHz SMD LOW PROFILE CRYSTAL

ABS06L



2.0 x 1.2 x 0.38mm

ABS06L

RoHS/RoHS II Compliant

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 - - -

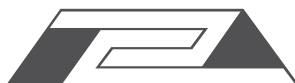
| Load Capacitance |
|------------------|
| Blank: 12.5pF |
| 9: 9pF |

Contact Abracon for non-standard capacitance

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

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

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



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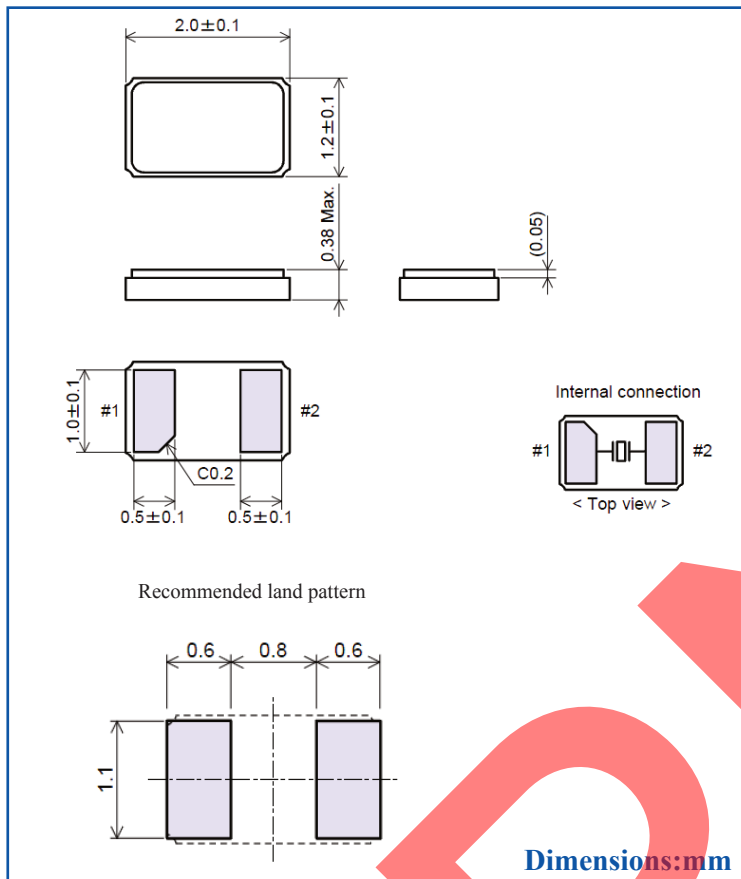


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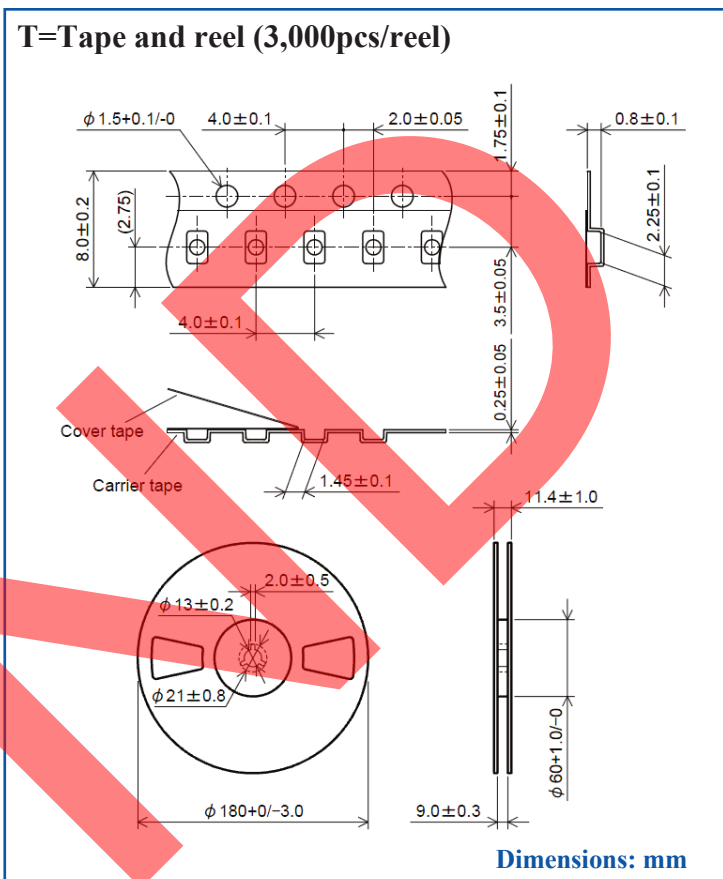
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OUTLINE DRAWING:

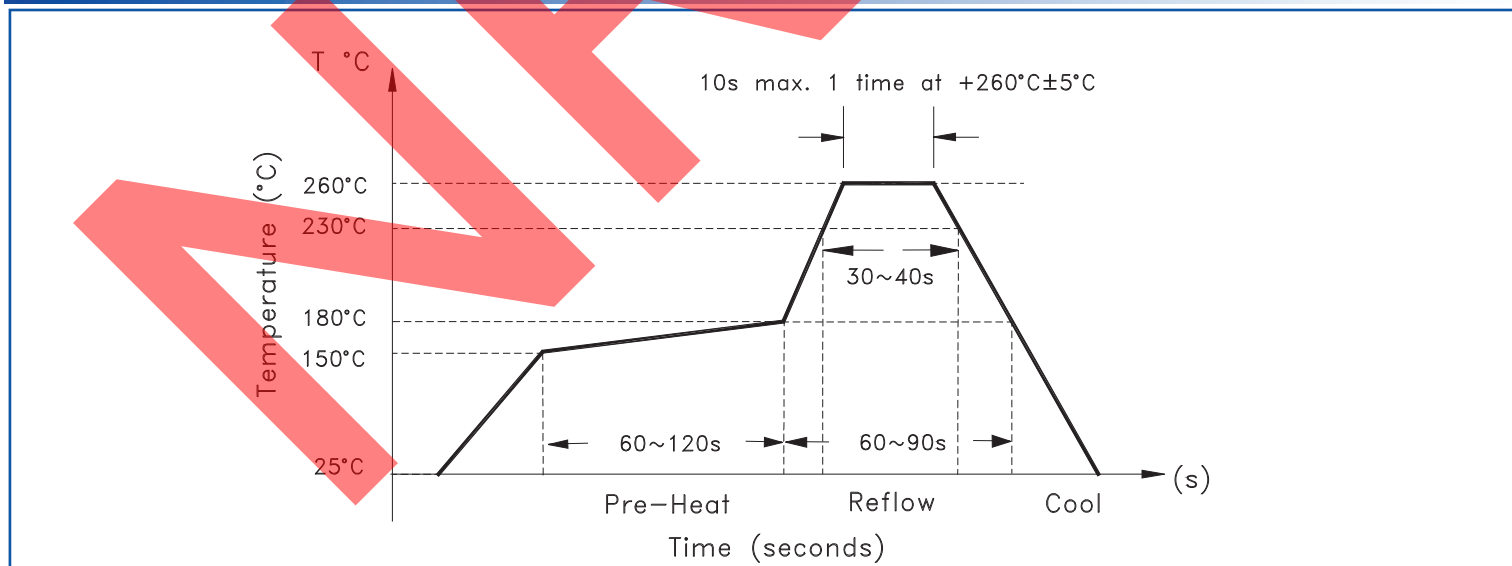


TAPE & REEL:

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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