

32.768kHz SMD LOW PROFILE CRYSTAL

ABS06L

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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

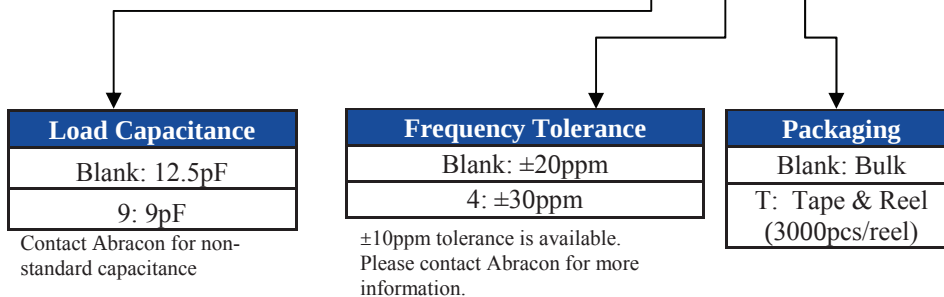
STANDARD SPECIFICATIONS:

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 - - -



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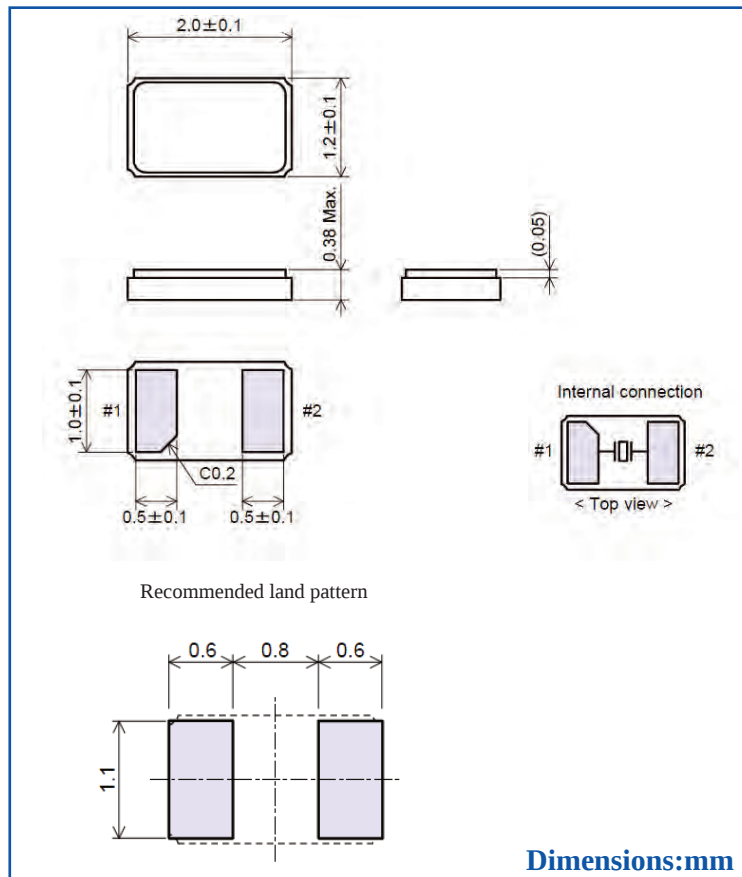
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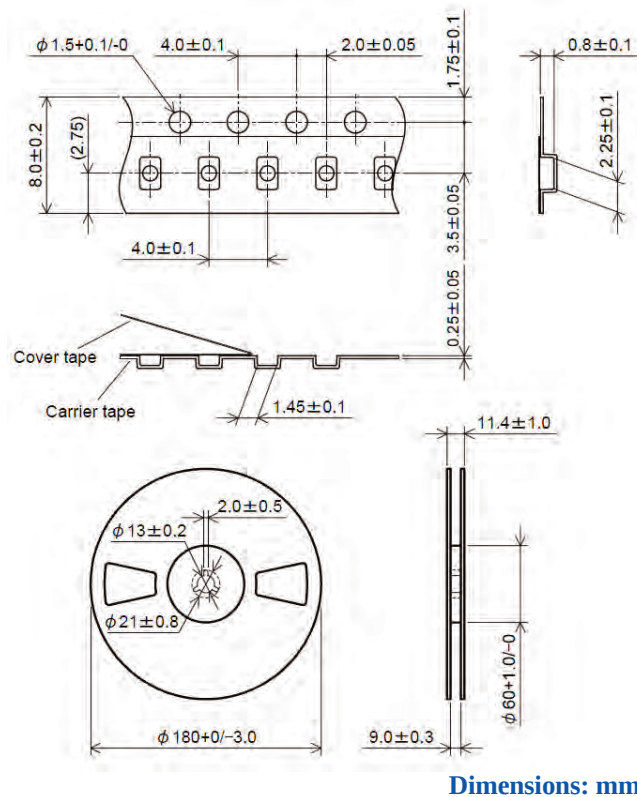
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OUTLINE DRAWING:



TAPE & REEL:

T=Tape and reel (3,000pcs/reel)



REFLOW PROFILE:

