



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!



Contact us

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SMD LOW PROFILE CRYSTAL



ABS07-166-32.768KHZ-T



3.2 x 1.5 x 0.9mm
RoHS/RoHS II Compliant

MSL = N/A: NOT APPLICABLE

FEATURES

- Low frequency in small size SMD
- 0.9mm height ideal for high density circuit boards
- Seam sealed ceramic package offers excellent environmental & heat resistance

APPLICATIONS

- Wide range in communication & measuring equipment
- Commercial & Industrial applications
- Wireless communications
- PDA and Smartphone

KEY ELECTRICAL SPECIFICATIONS

Parameters	Minimum	Typical	Maximum	Units	Notes
Frequency Range	32.768			kHz	
Operation Mode	Tuning Fork				
Operating Temperature	-40		+85	°C	
Storage Temperature	-55		+125	°C	
Frequency Tolerance @ +25°C	-10		+10	ppm	
Temperature Coefficient:	-0.040	-0.036		ppm/T ²	
Turn-over temperature:	+20	+25	+30	°C	
Equivalent series resistance (R1)			70	kΩ	
Shunt capacitance (C0)		0.9~ 1.2		pF	
Load capacitance (CL)	7.0			pF	
Drive Level		0.1	0.5	μW	
Q Value	10000	30000			
Aging@ 25°C±3°C	-3		3	ppm	First Year
Insulation Resistance	500			MΩ	@ 100Vdc ± 15V

PART IDENTIFICATION


ABS07-166-32.768 KHz-

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

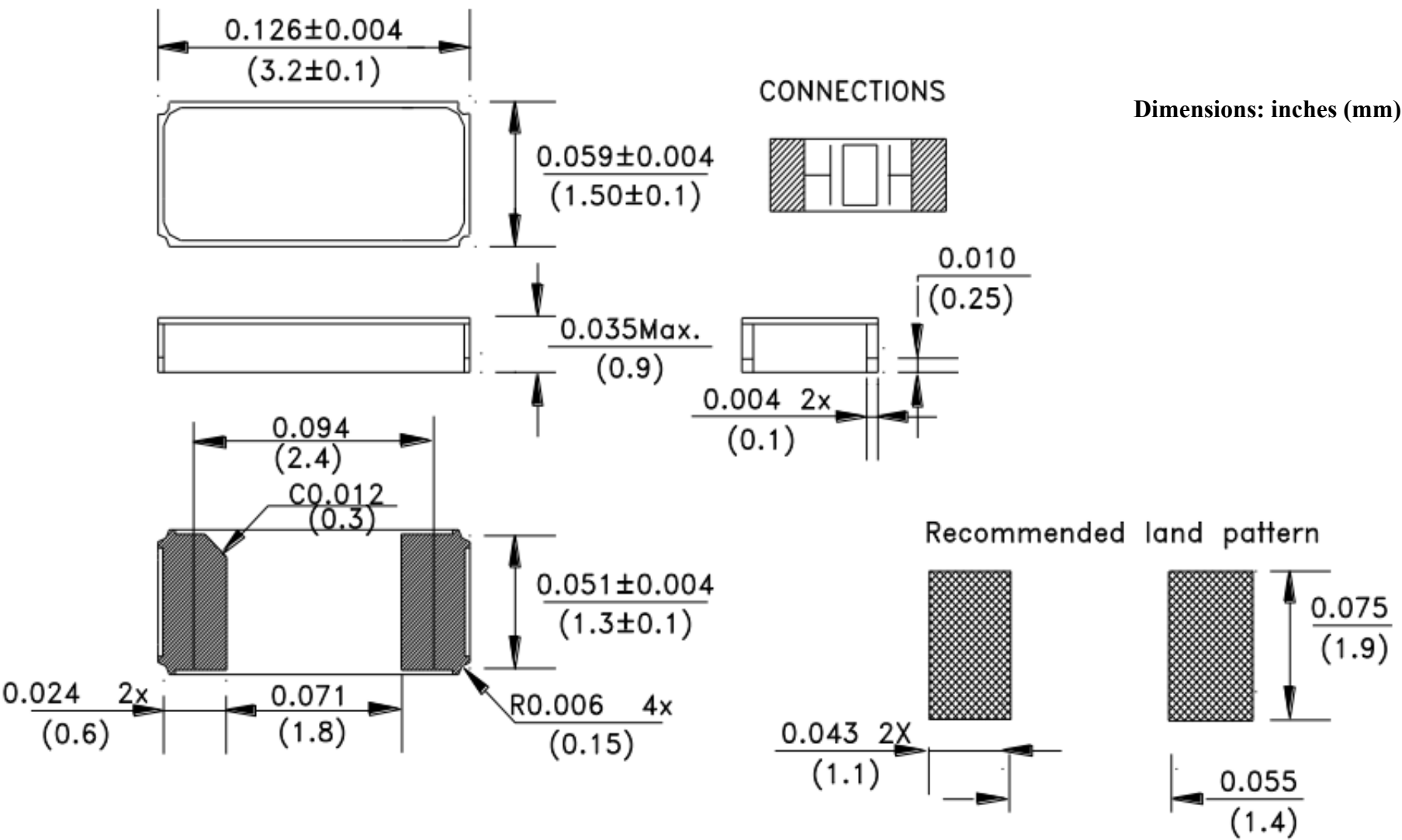
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MECHANICAL DIMENSIONS



SEALING METHOD = SEAM SEALING

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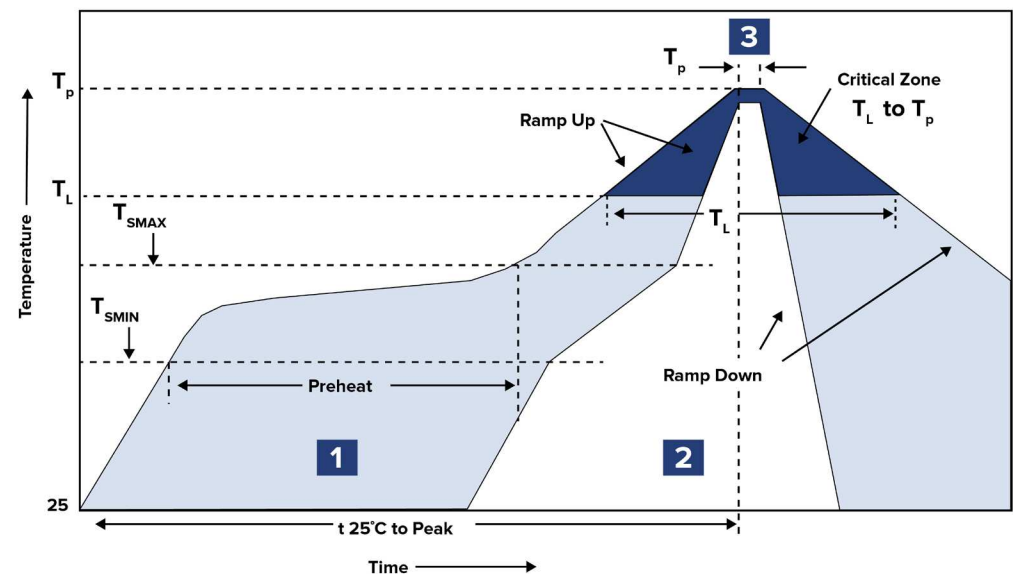
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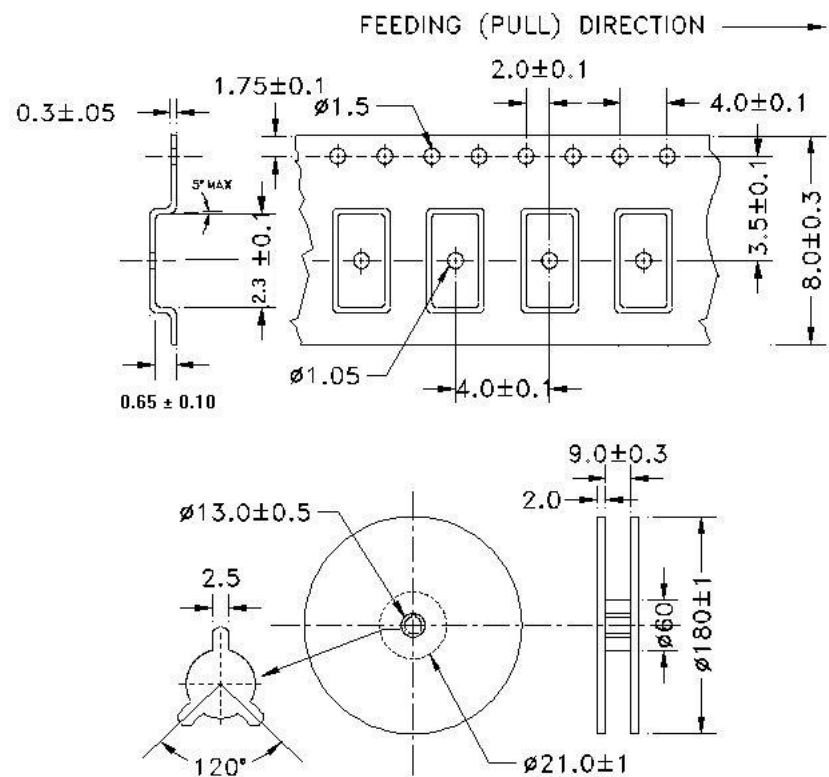
REFLOW PROFILE



Zone	Description	Temperature	Time
1	Preheat	$T_{S\text{MIN}} \sim T_{S\text{MAX}}$ 120°C ~ 180°C	60 ~ 120 sec.
2	Reflow	T_L 230°C	55 sec. MAX.
3	Peak Heat	T_P 260°C	10 sec. MAX.

PACKAGING:

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



Dimensions: mm