



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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



SMD LOW PROFILE CRYSTAL



ABS06-127-32.768KHZ-T



2.0 x 1.2 x 0.6 mm
RoHS/RoHS II Compliant
MSL=N/A:NOTAPPLICABLE

FEATURES

- Miniature 2.0 x 1.2 mm footprint
- Low 0.6 mm profile
- Industrial temperature range (-40°C to +85°C)
- ±20 ppm initial frequency tolerance

APPLICATIONS

- Internet of Things (IoT)
- Industrial IoT
- Low power devices
- Real time clocks
- MCU clocking

KEY ELECTRICAL SPECIFICATIONS

Parameters	Minimum	Typical	Maximum	Units	Notes
Frequency		32.768		kHz	
Operation Mode	Flexural Mode (Tuning Fork)				
Operating Temperature Range	-40		+85	°C	
Storage Temperature	-55		+125	°C	
Frequency Tolerance @ +25°C	-20		+20	ppm	Tested at 0.5uW
Temperature Coefficient:	-0.04	-0.03	-0.02	ppm/T ²	
Turn-over temperature:	+20	+25	+30	°C	
Equivalent series resistance (R1)			90	kΩ	
Load capacitance (CL)		12.5		pF	
Drive Level		0.1	0.5	μW	
Q value	9000				
Aging@25°C±3°C	-3		3	ppm	First year
Insulation Resistance	500			MΩ	@ 100Vdc ± 15V

PART IDENTIFICATION

ABS06-127-32.768KHZ -

Packaging

Blank: Bulk

T3: 3kpcs / reel

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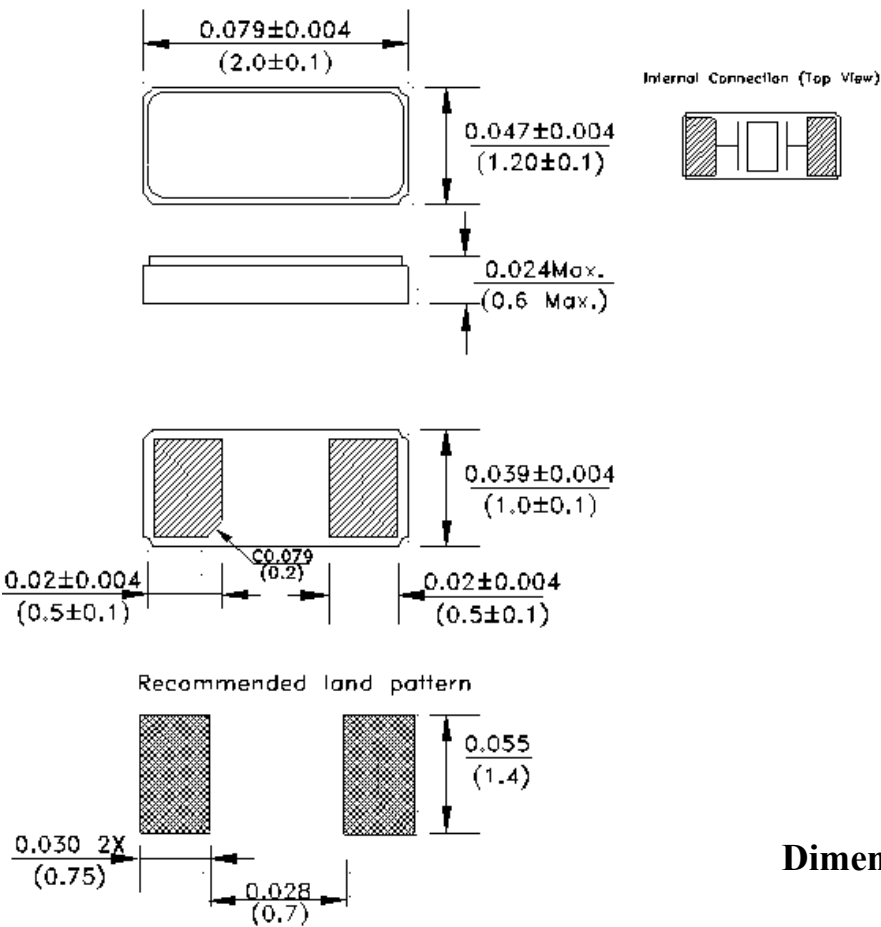


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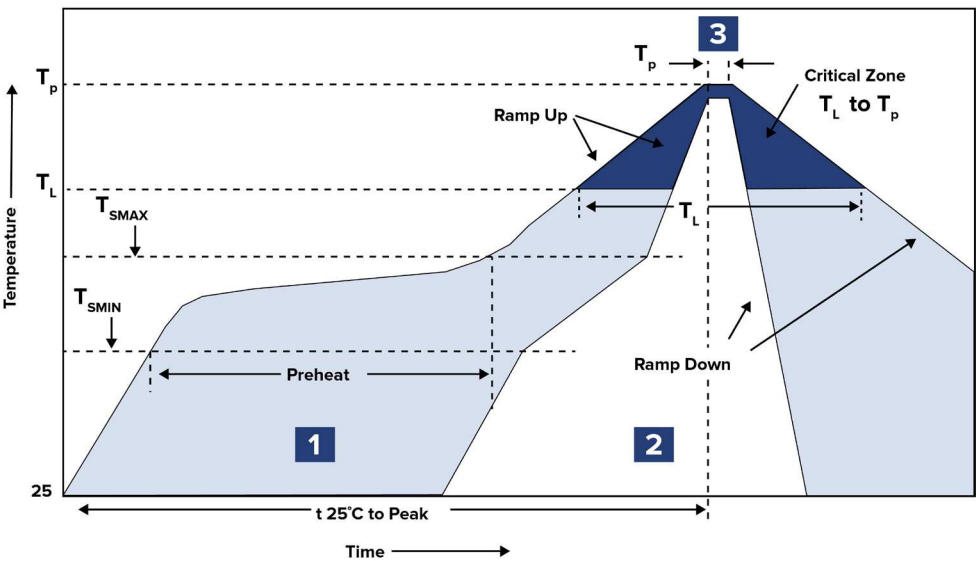


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MECHANICAL DIMENSIONS



REFLOW PROFILE



Zone	Description	Temperature	Time
1	Preheat	$T_{SMIN} \sim T_{SMAX}$ 150°C ~ 180°C	60 ~ 120 sec.
2	Reflow	T_L 230°C	30 ~ 40 sec.
3	Peak Heat	T_P 260°C	10 sec. MAX

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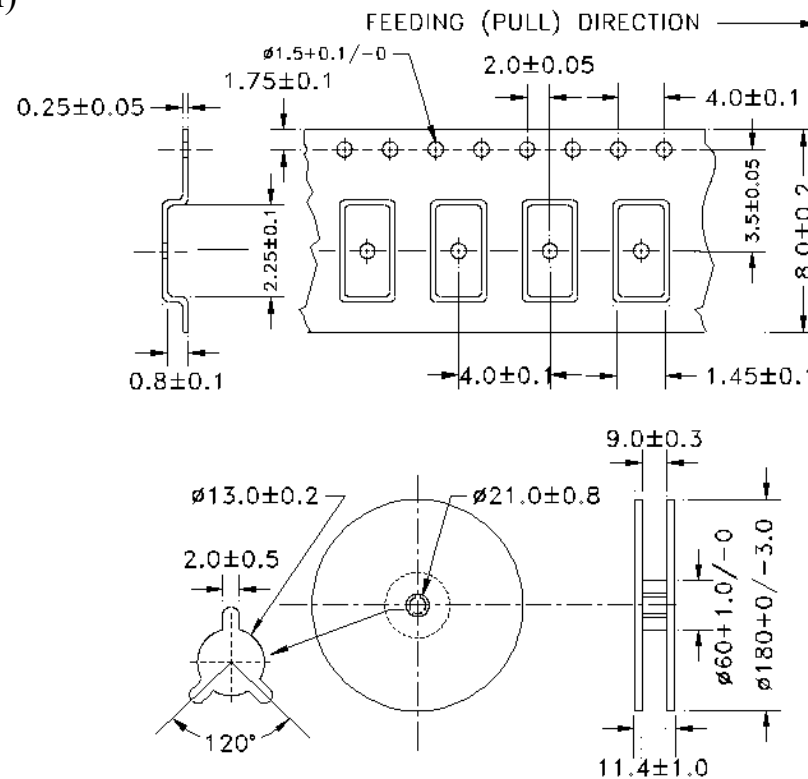


2.0 x 1.2 x 0.6 mm
RoHS/RoHS II Compliant

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PACKAGING

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



Dimensions: mm