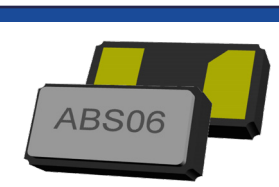
SMD LOW PROFILE CRYSTAL



ABS06-127-32.768KHZ-T

Pb

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

KEYELECTRICALSPECIFICATIONS

Parameters	Minimum	Typical	Maximum	Units	Notes
Frequency		32.768		kHz	
Operation Mode	Flexural Mode (Tuning Fork)				
Operating Temperature Range	-40		+85	ºC	
Storage Temperature	-55		+125	ºC	
Frequency Tolerance @ +25°C	-20		+20	ppm	Tested at 0.5uW
Temperature Coefficient:	-0.04	-0.03	-0.02	ppm/T²	
Turn-over temperature:	+20	+25	+30	ºC	
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

PARTIDENTIFICATION

ABS06-127-32.768KHZ - [ ]

Packaging
Blank: Bulk
T3: 3kpcs / reel

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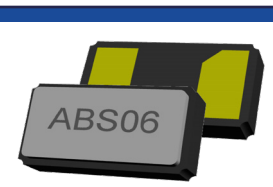
ABRACON LLC
The Power of Linking Together

5101 Hidden Creek Ln Spicewood TX 78669
Phone: 512-371-6159 | Fax: 512-351-8858
For terms and conditions of sales, please visit:
www.abracon.com

REVISED: 03.09.2018

ABRACON IS ISO9001-2008 CERTIFIED

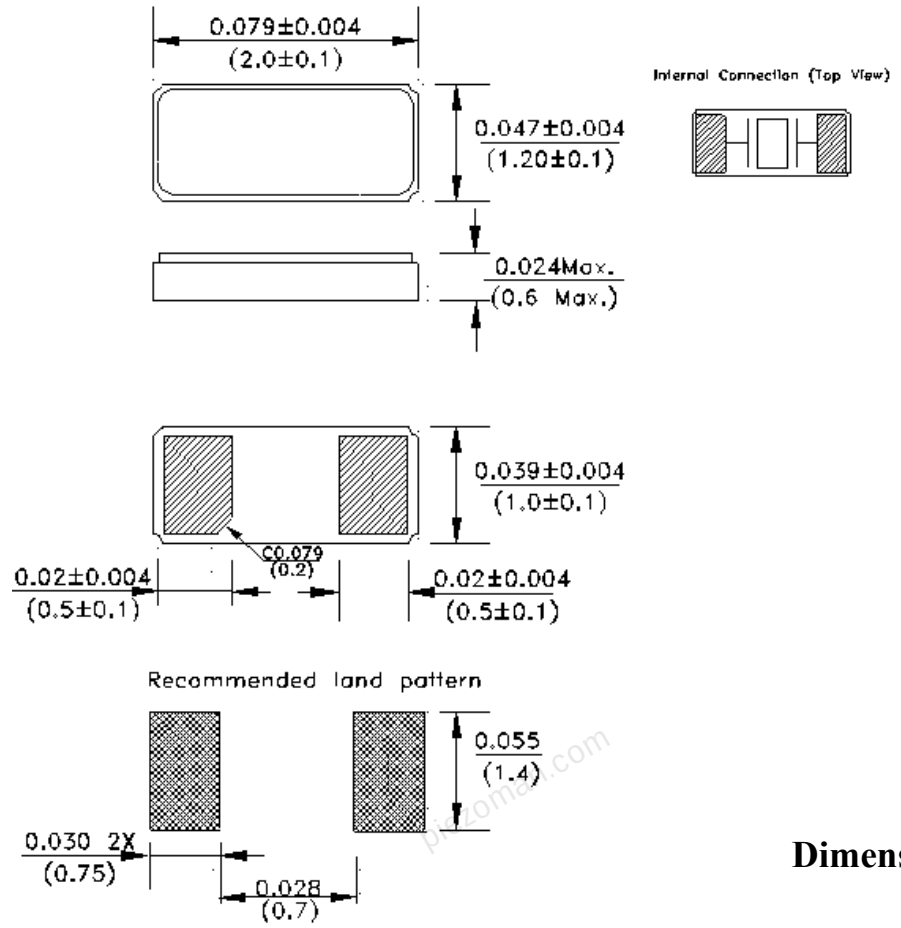
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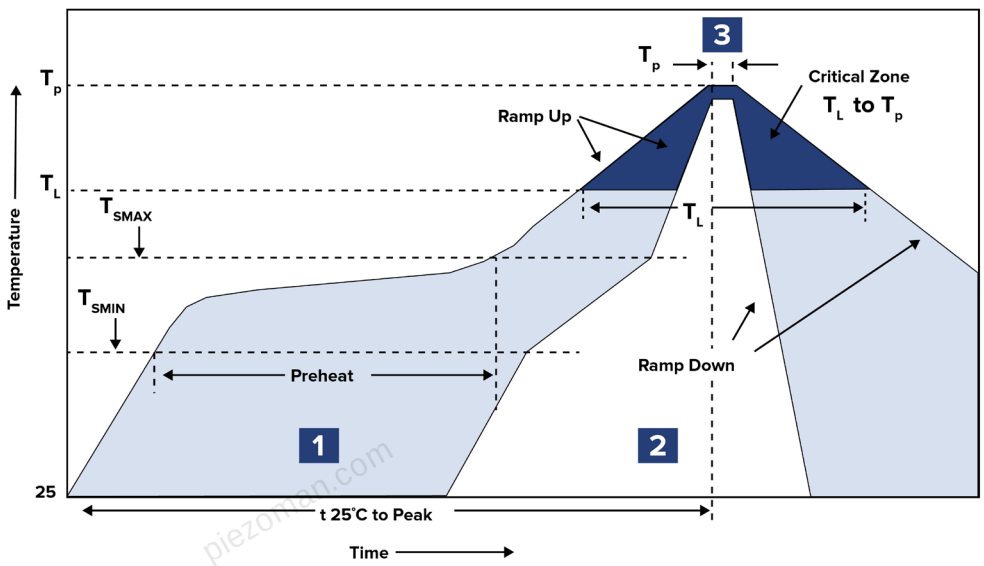
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RoHS/RoHS II Compliant
MSL=N/A:NOTAPPLICABLE

MECHANICAL DIMENSIONS



Dimensions: inches (mm)

REFLOW PROFILE



Zone	Description	Temperature	Time
1	Preheat	T_{SMIN} ~ 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

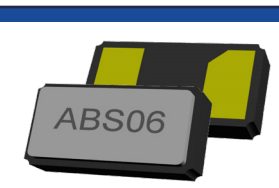
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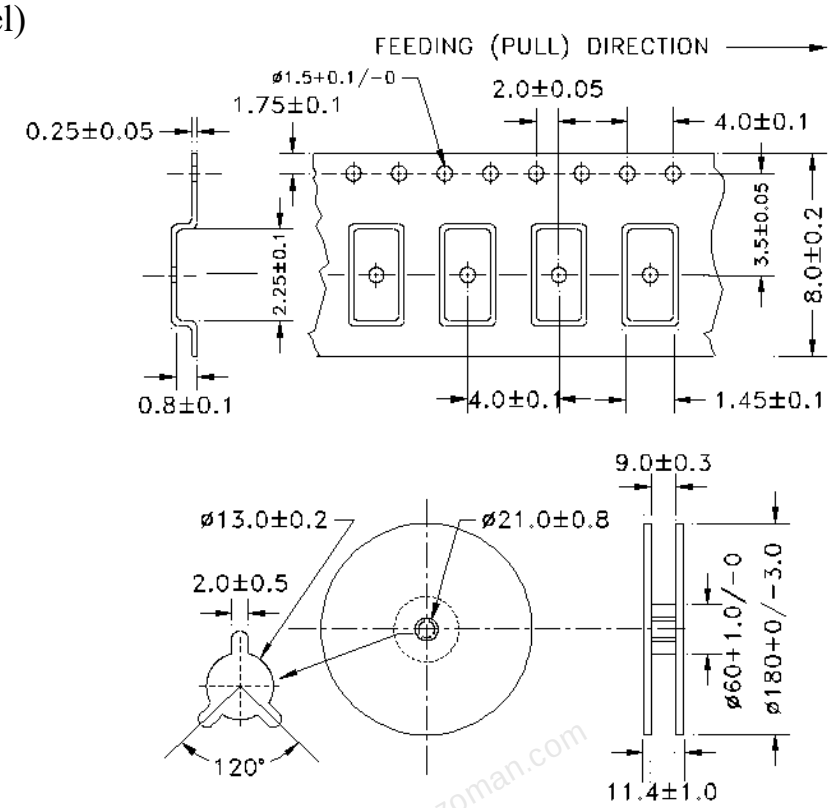
ABS06-127-32.768KHZ-T

Pb

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

PACKAGING

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



Dimensions: mm

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