

# CERAMIC SMD CRYSTAL



5.0 X 3.2 X 1.1 mm

RoHS/RoHS II Compliant

MSL = N/A: NOT APPLICABLE

ABM3B-155-12.800 MHz

## FEATURES

- Fundamental mode
- Suitable for reflow
- Tight stability
- Ceramic package and metal lid assures high precision and reliability
- Seam sealing

## APPLICATIONS

- Cellular telephones, pagers
- Communication and test equipment
- High density applications
- PCMCIA and wireless applications

## STANDARD SPECIFICATIONS

PARAMETERS	MINIMUM	TYPICAL	MAXIMUM	UNITS	NOTES
Center Frequency	12.800			MHz	
Operation Mode	Fundamental				
Operating Temperature	-40		+85	°C	
Storage Temperature	-40		+85	°C	
Frequency Tolerance @ 25°C	-10		+10	ppm	
Frequency Stability over the Operating Temperature ( ref. to +25°C)	-20		+20	ppm	
Equivalent series resistance (R1)			70	Ω	
Shunt capacitance (C0)			7	pF	
Load capacitance (CL)	16			pF	
Drive Level		10	100	μW	
Aging	-5		+5	ppm	First year@25°C±3°C
Insulation Resistance	500			MΩ	@100Vdc±15V

## OPTIONS AND PART IDENTIFICATION (LEFT BLANK IF STANDARD)

ABM3B-155-12.800MHZ -

PACKAGING
Blank: Bulk
T: 1Kpcs/Reel

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ABM3B



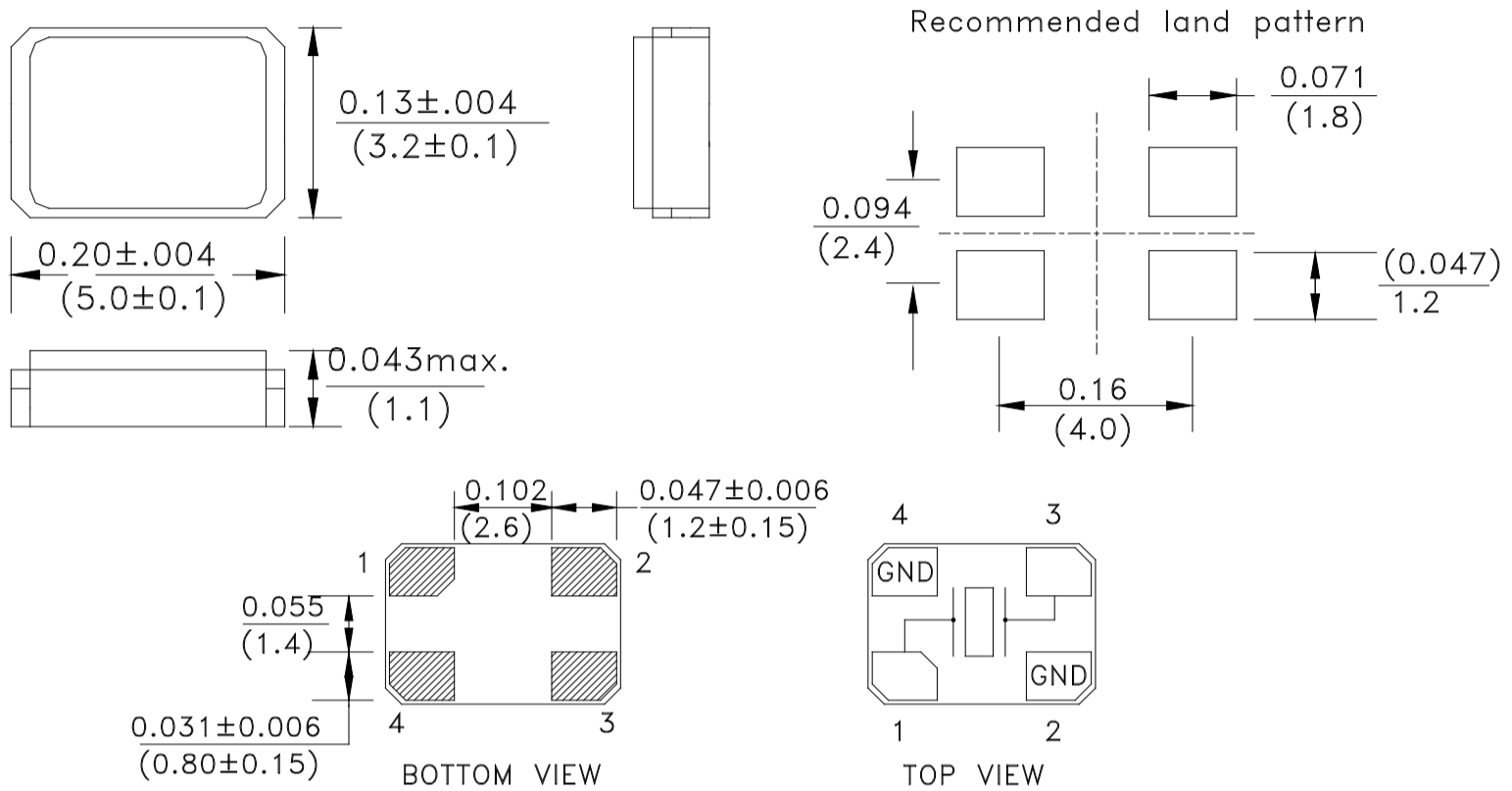
ABM3B-155-12.800 MHz

5.0 X 3.2 X 1.1 mm

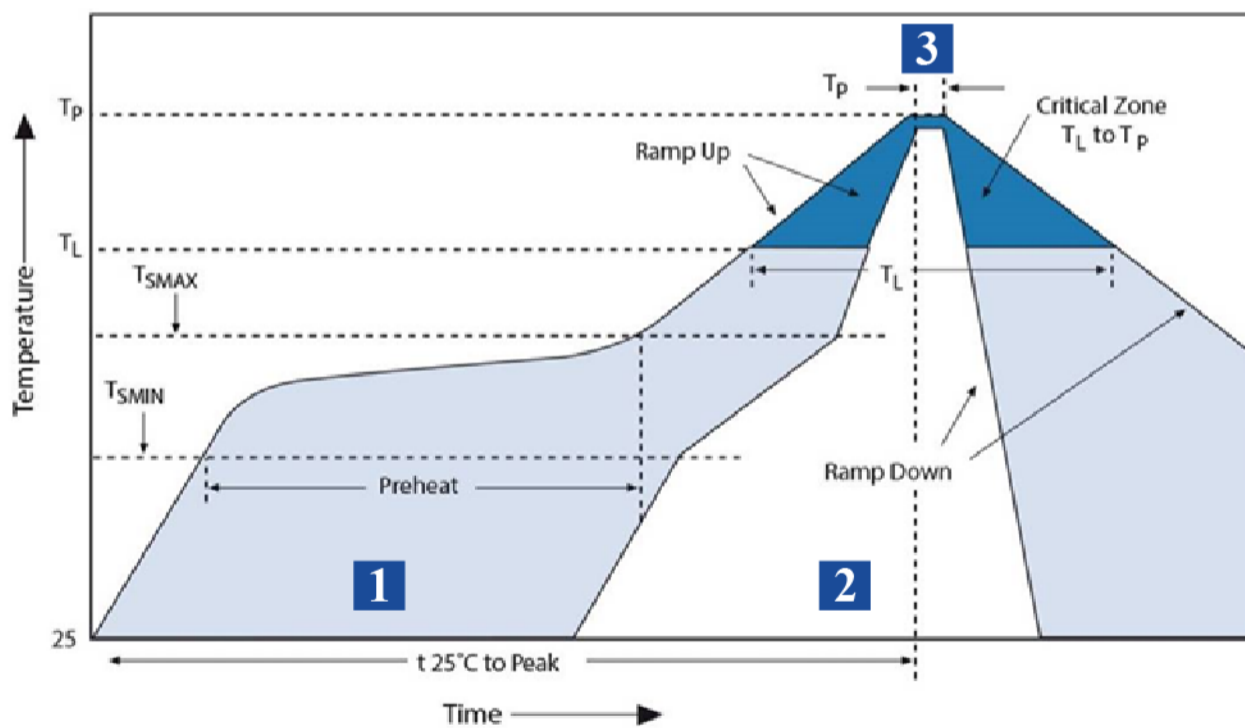
**Pb** RoHS/RoHS II Compliant

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## MECHANICAL DIMENSIONS: INCHES (mm)



## 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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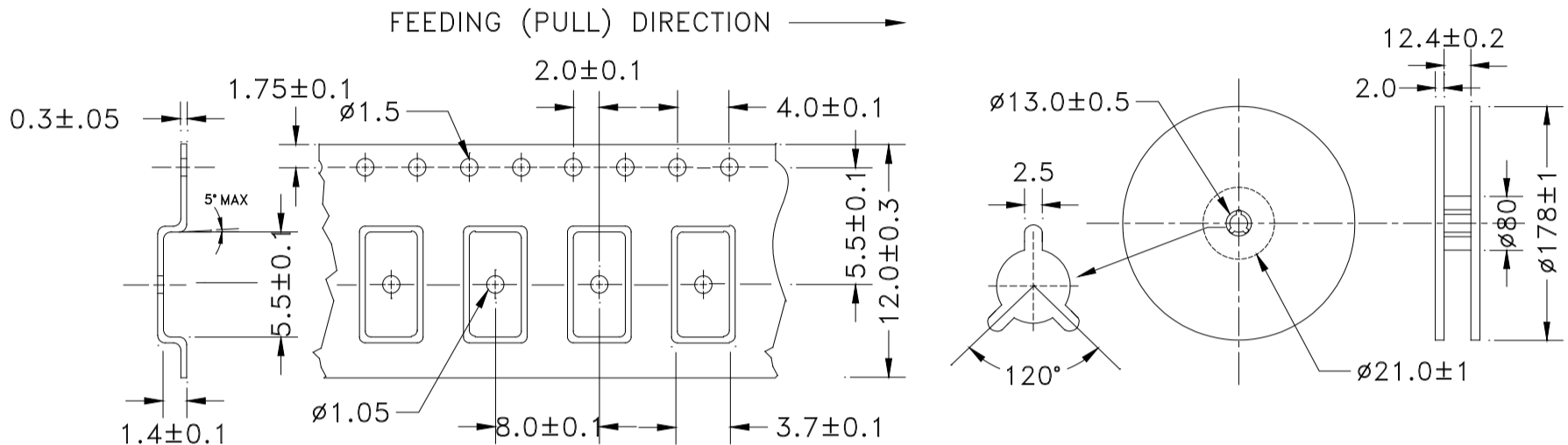
5.0 X 3.2 X 1.1 mm

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## PACKAGING

TAPE AND REEL: T: 1000PCS/REEL



## NOTES

1. The parts are manufactured in accordance with this specification. If other conditions and specifications which are required for this specification, please contact ABRACON LLC for more information.
2. ABRACON LLC will supply the parts in accordance with this specification unless we receive a written request to modify prior to an order placement.
3. In no case shall ABRACON LLC be liable for any product failure from in appropriate handling or operation of the item beyond the scope of this specification.
4. When changing your production process, please notify ABRACON LLC immediately.
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