

# CERAMIC SURFACE MOUNT LOW PROFILE MICROPROCESSOR CRYSTAL



7.2 x 5.2 x 1.1 mm

**ABMM1**



## FEATURES:

- Suitable for RoHS reflow profile
- Low height 1.1mm
- Ideal for thin equipment
- AT cut offers a tight tolerance and stability ± 50ppm

## APPLICATIONS:

- Computers, Modems, Microprocessors
- Communication, Test equipment
- PCMCIA

## STANDARD SPECIFICATIONS:

PARAMETERS	
ABRACON P/N	ABMM1 Series
Frequency Range	6.0 MHz to 125 MHz
Operation Mode	AT-cut 6.0 MHz ~ 33.0 MHz (Fundamental: Standard) 33.01 MHz ~ 125 MHz (Third-Overtone: Standard) 33.01 MHz ~ 50.0 MHz (Fundamental: See options)
Operating Temperature	- 10°C to + 60°C (see options)
Storage Temperature	- 40°C to + 85°C
Frequency Tolerance at +25°C	± 50 ppm max. (see options)
Frequency Stability over the Operating Temp. (Ref to +25°C)	± 50 ppm max. (see options)
Equivalent Series Resistance	See Table 1
Shunt Capacitance $C_0$	7pF max.
Load Capacitance $C_L$	18pF (see options)
Drive Level	500μW max., 100μW typical
Aging at 25°C First Year	± 5ppm max.
Insulation Resistance	500Mohms min at 100Vdc ± 15V

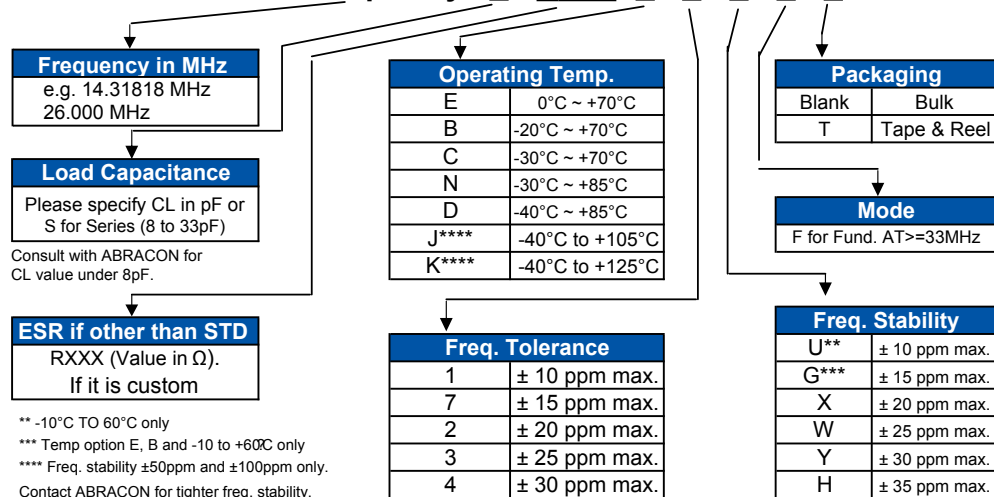
**TABLE 1**

Frequency (MHz)	ESR ( $\Omega$ ) max.	Frequency (MHz)	ESR ( $\Omega$ ) max.
6.000 - 11.999(Fund)	70	20.000 - 50.000(Fund)	40
12.000 - 20.000(Fund)	50	33.000 - 125.00(3rd O/T)	80

## OPTIONS & PART IDENTIFICATION:

(Left blank if standard)

**ABMM1 - Frequency - [ ] - R[ ][ ][ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ]**



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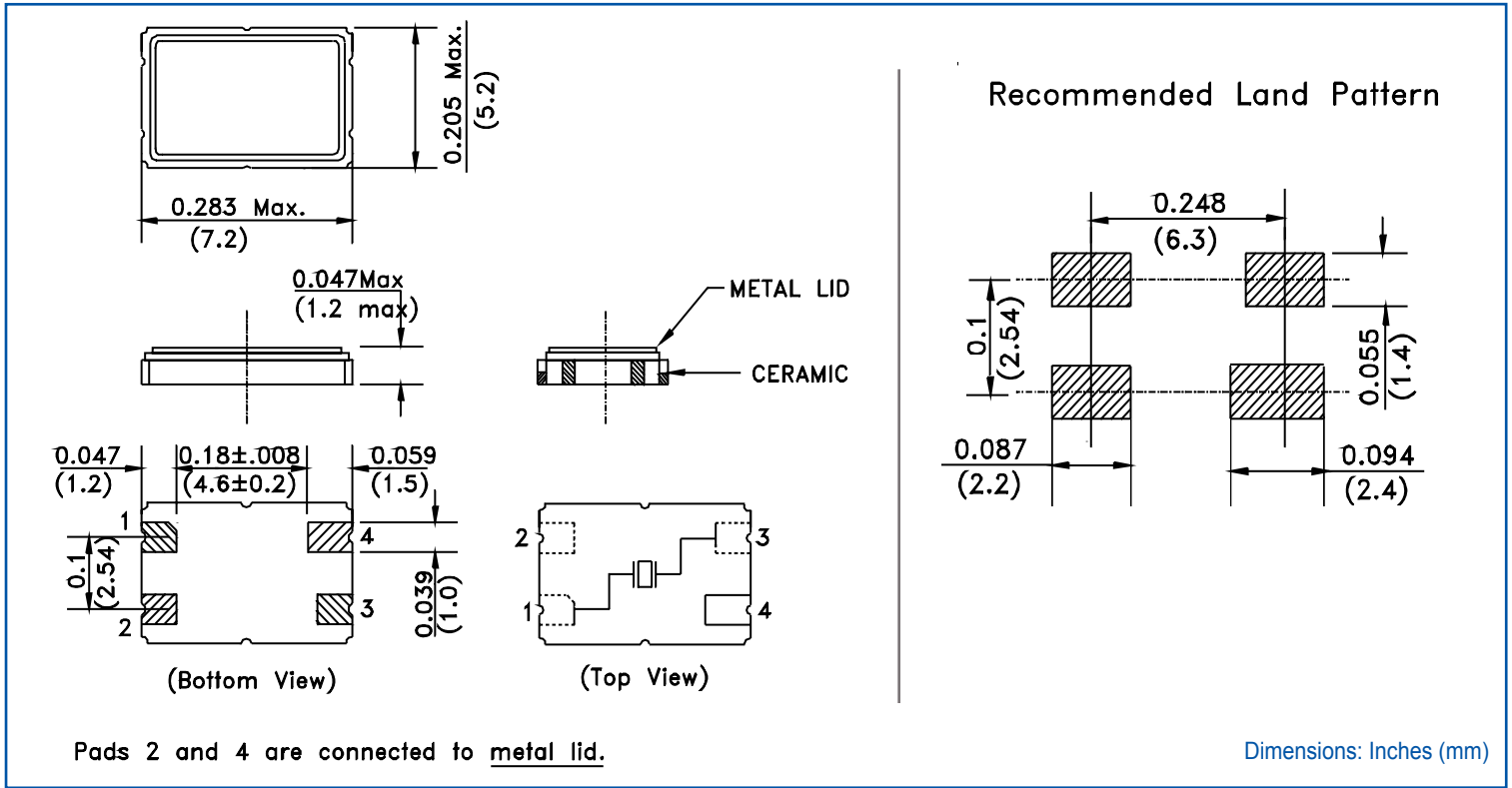
7.2 x 5.2 x 1.1 mm

ABMM1



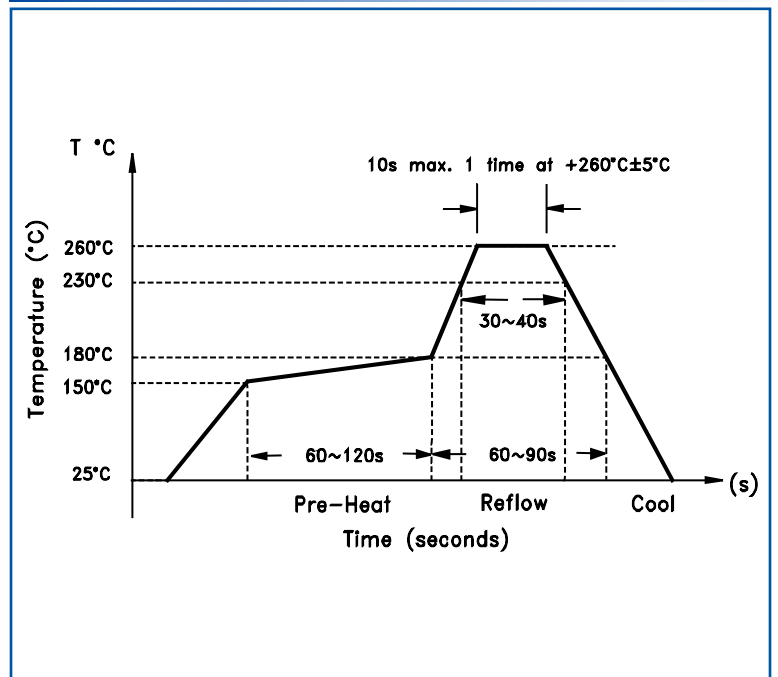
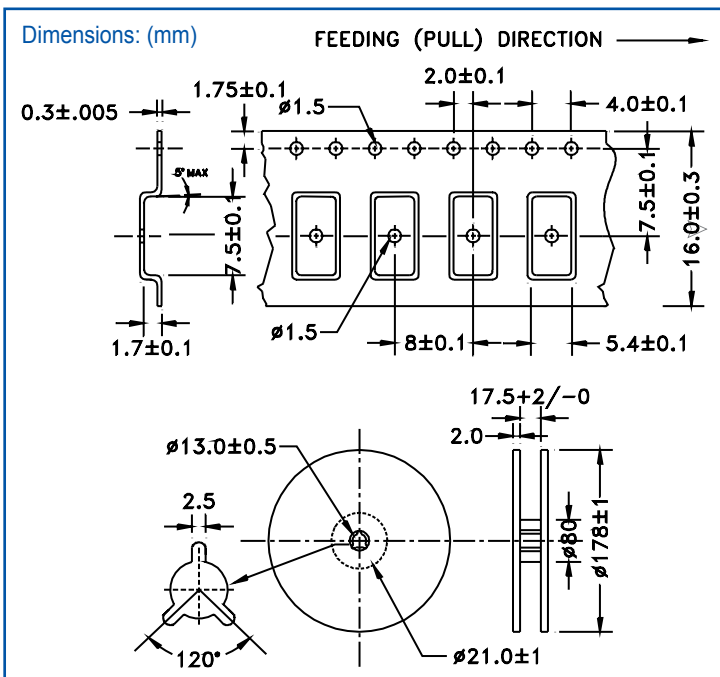
RoHS  
Compliant

## OUTLINE DRAWING:



## TAPE & REEL: Tape and reel (1,000pcs/reel)

## REFLOW PROFILE



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