

CERAMIC SURFACE MOUNT MICROPROCESSOR CRYSTAL

ABMM



RoHS
Compliant



7.0 x 5.0 x 1.3 mm

FEATURES:

- Suitable for RoHS reflow
- Low height 1.3 mm max
- AT-strip cut offers a tight tolerance & stability

APPLICATIONS:

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

STANDARD SPECIFICATIONS:

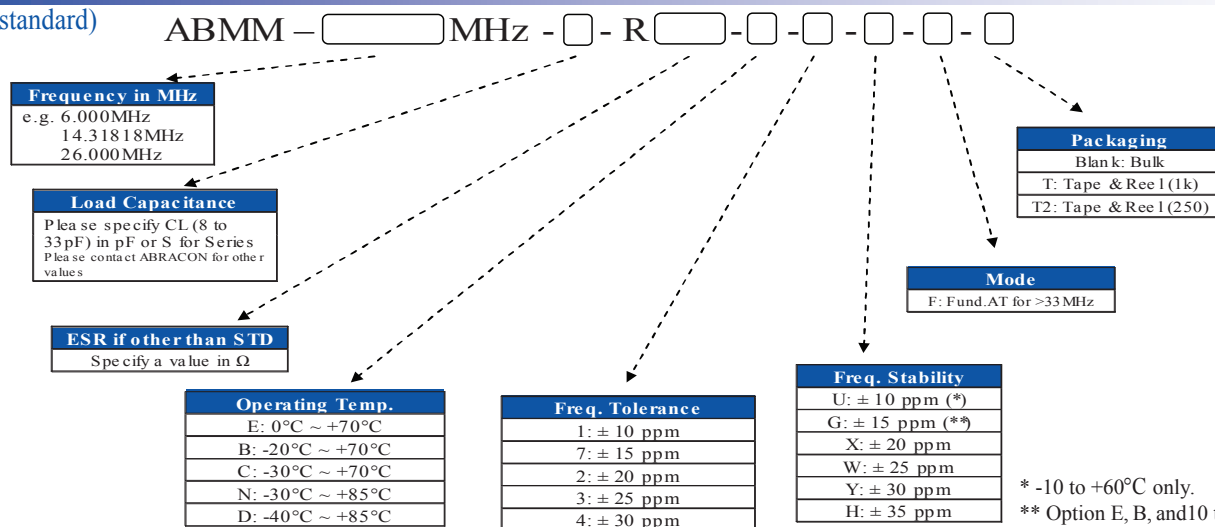
PARAMETERS	
ABRACON P/N	ABMM
Frequency Range	6.0 MHz to 125 MHz
Operation Mode	AT-cut 6.0 MHz ~ 33.0 MHz (Fundamental: Standard) 33.01 MHz - 125 MHz (Third-Overtone: Standard) 33.01 MHz ~ 50.0 MHz (Fundamental: Please specify. See options)
Operating Temperature	- 10°C to + 60°C (see options)
Storage 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	500MΩ min at 100Vdc ± 15V

TABLE 1: STANDARD ESR

Frequency (MHz)	ESR (Ω) Max	Frequency (MHz)	ESR (Ω) 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)



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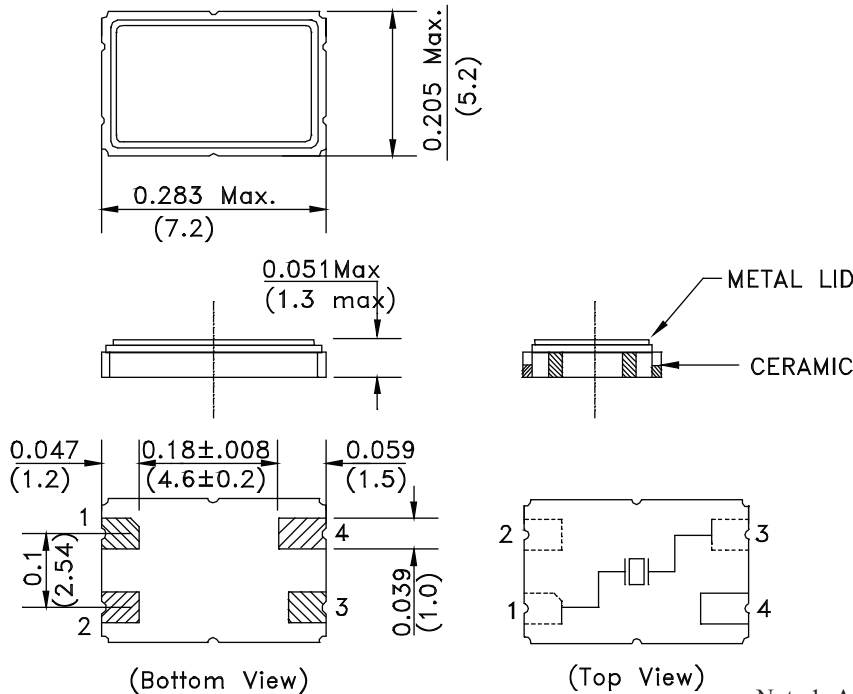


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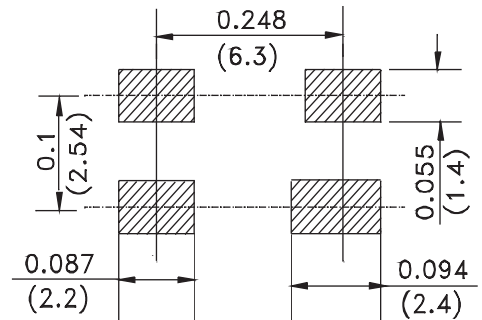


7.0 x 5.0 x 1.3 mm

OUTLINE DRAWING:



Recommended Land Pattern



Dimension : Inches (mm)

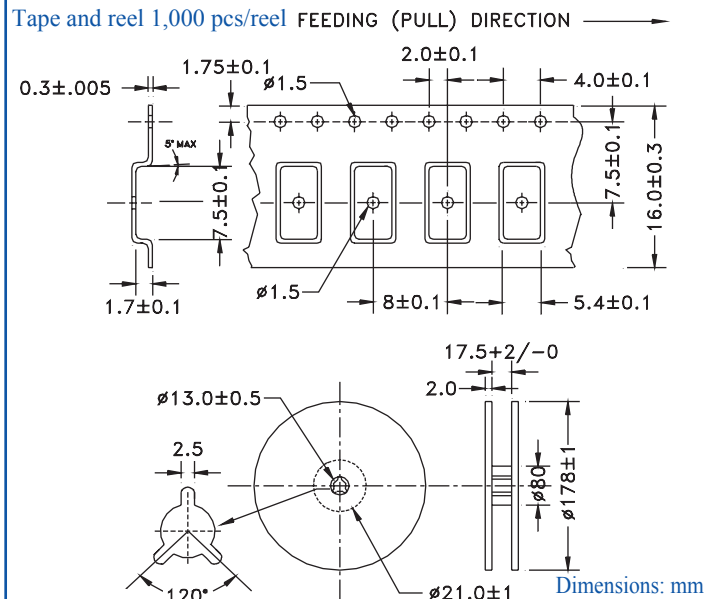
Pads 2 and 4 are connected to metal lid.

Note 1: A longer pad (1.5mm) may appear on either pad 2, 3, or 4.

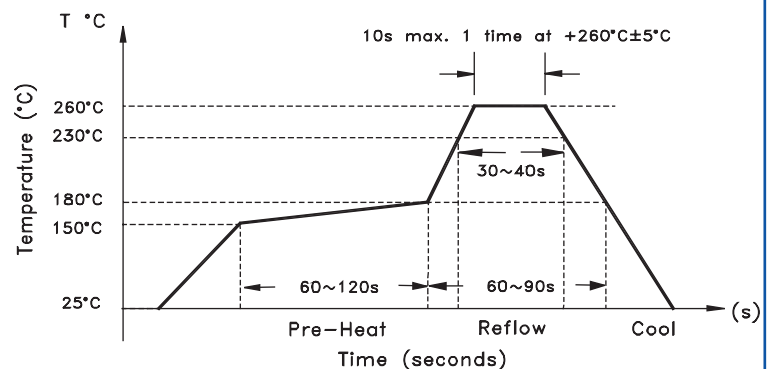
Note 2: A chamfer of 0.3mm may appear on pad 1 or 2.

Note 3: Pads 2 and 4 are connected to the metal lid.

TAPE & REEL:



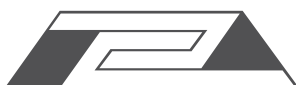
REFLOW PROFILE:



Need a test socket for the ABMM Series? To view compatible **PRECISION TEST & BURN-IN SOCKETS** for these parts, [click here](#).

ATTENTION Abracon Corporation's products are COTS- Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon Corporation is required. Please contact Abracon Corporation for more information.

ABRACON IS
ISO9001:2008
CERTIFIED



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