

CERAMIC SURFACE MOUNT LOW PROFILE MICROPROCESSOR CRYSTAL

ABMM1



RoHS
Compliant



7.2 x 5.2 x 1.1 mm

FEATURES:

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

APPLICATIONS:

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

STANDARD SPECIFICATIONS:

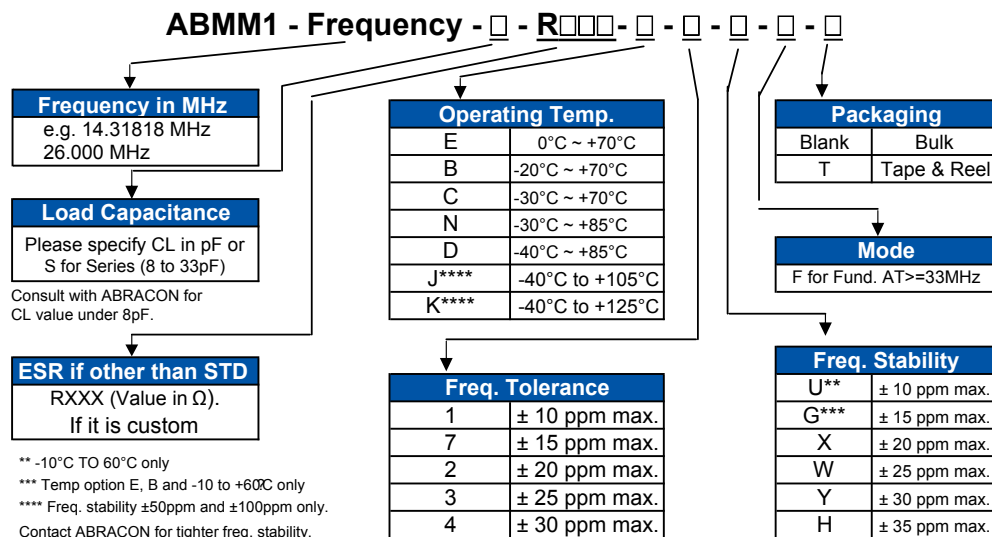
PARAMETERS	
ABRACON P/N	ABMM1 Series
Frequency Range	6.0 MHz to 125 MHz
Operation Mode	AT-cut 6.0 MHz ~ 33.0 MHz (Fundamental: Standard) 33.01 MHz ~ 125 MHz (Third-Overtone: Standard) 33.01 MHz ~ 50.0 MHz (Fundamental: See options)
Operating Temperature	- 10°C to + 60°C (see options)
Storage Temperature	- 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	500 μ W max., 100 μ W typical
Aging at 25°C First Year	± 5 ppm max.
Insulation Resistance	500Mohms min at 100Vdc ± 15 V

TABLE 1

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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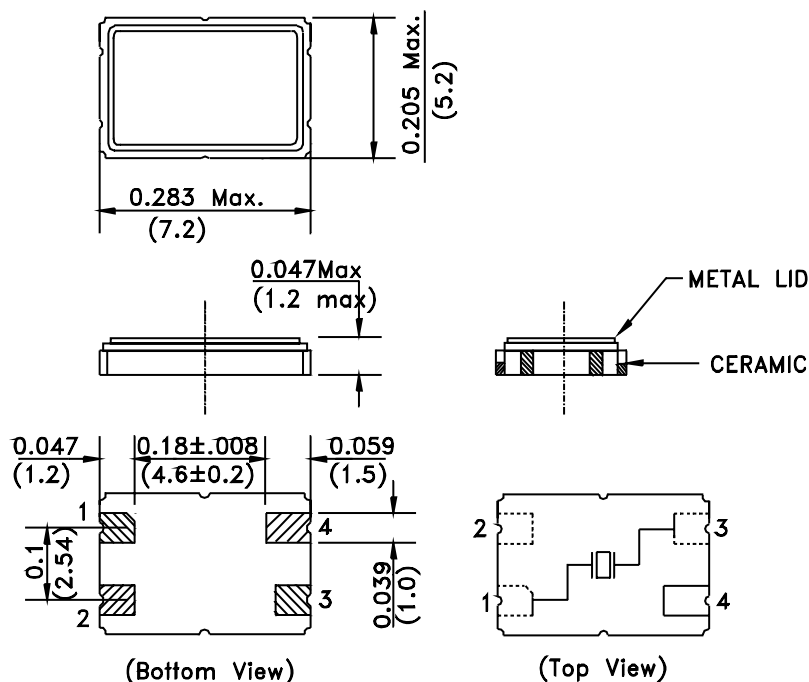


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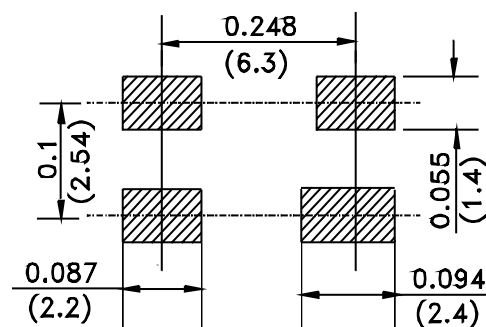
7.2 x 5.2 x 1.1 mm

OUTLINE DRAWING:



Pads 2 and 4 are connected to metal lid.

Recommended Land Pattern

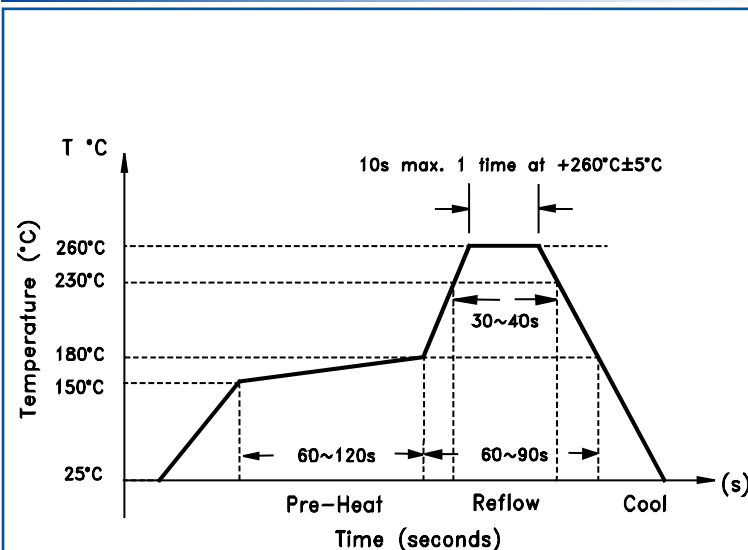
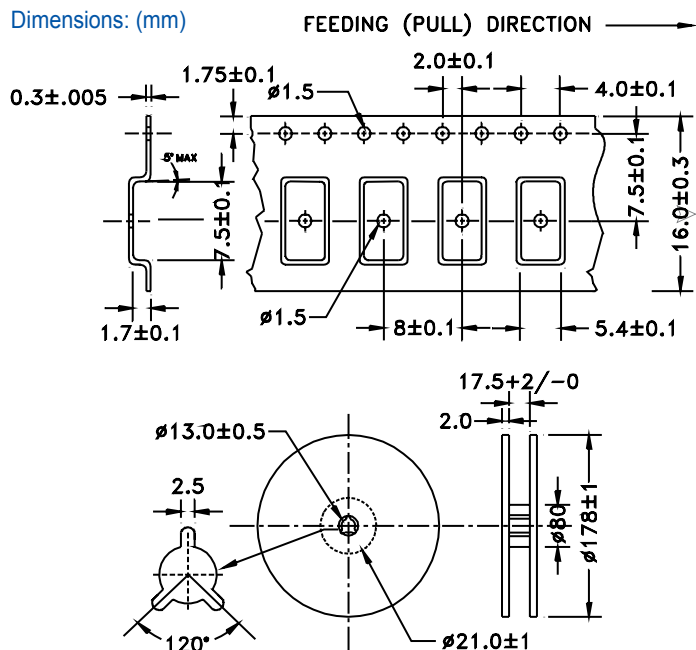


Dimensions: Inches (mm)

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

REFLOW PROFILE

Dimensions: (mm)



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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