

CERAMIC SURFACE MOUNT MICROPROCESSOR CRYSTAL

ABMM



RoHS
Compliant



7.0 x 5.0 x 1.3 mm

FEATURES:

- Suitable for reflow
- Low in height - suitable for thin equipment
- AT-strip cut offers a tight tolerance & stability

APPLICATIONS:

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

STANDARD SPECIFICATIONS:

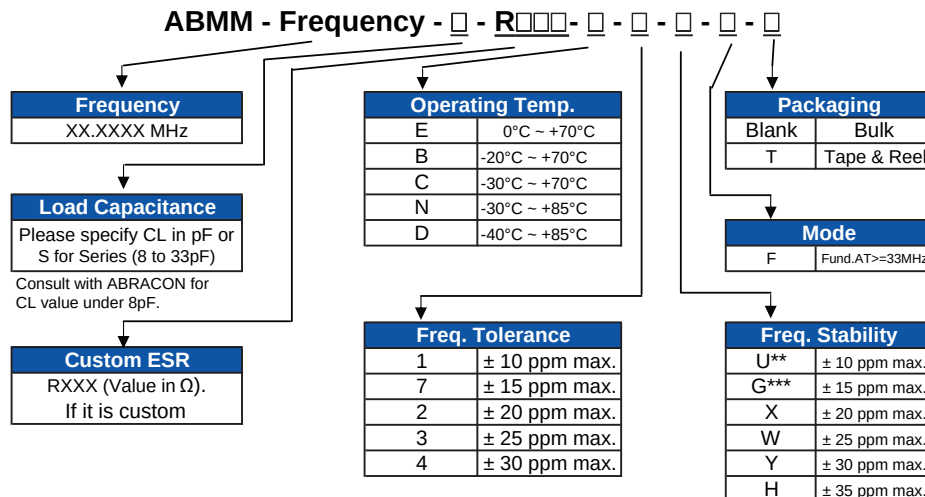
PARAMETERS	
ABRACON P/N	ABMM
Frequency Range	6.0 MHz to 125 MHz
Operation Mode	AT-cut 6.0 MHz ~ 33.0 MHz (Fundamental: Standard) 33.01 MHz - 125 MHz (Third-Overtone: Standard) 33.01 MHz ~ 50.0 MHz (Fundamental: See options)
Operating Temperature	- 10°C to + 60°C (see options)
Storage Temperature	- 40°C 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 Per Year	± 5ppm max.
Insulation Resistance	500Ω min at 100Vdc ± 15V

TABLE 1

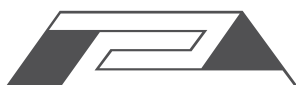
Frequency (MHz)	ESR (Ω)	Frequency (MHz)	ESR (Ω)
6.000 - 11.999(Fund)	70	20.000 - 50.000(Fund)	40
12.000 - 20.000(Fund)	50	33.000 - 125.00(3rd O/T)	80

OPTIONS & PART IDENTIFICATION:

[Left blank if standard]



** -10°C TO 60°C only
*** Temp option E, B, and -10°C TO 60°C only



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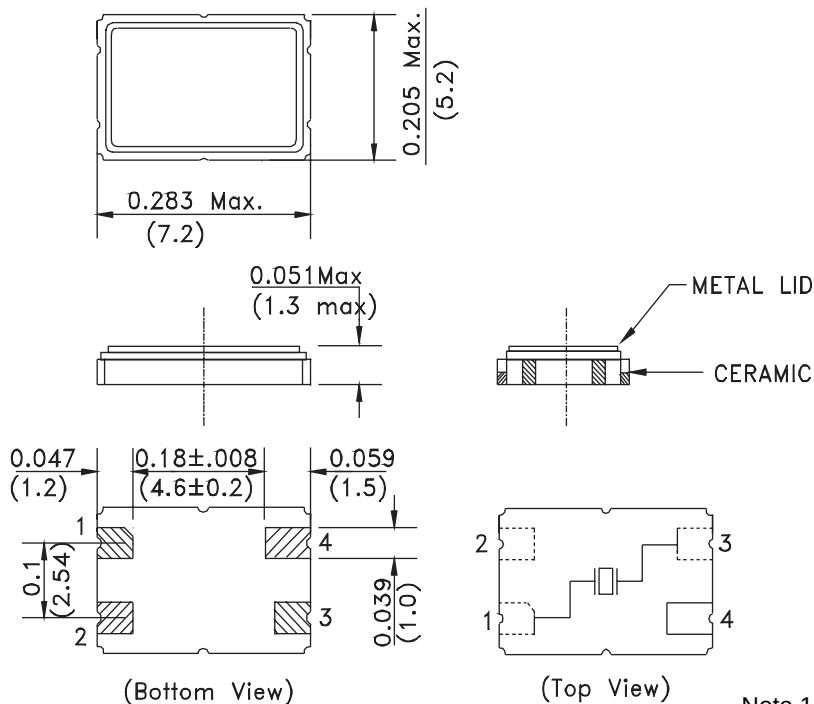


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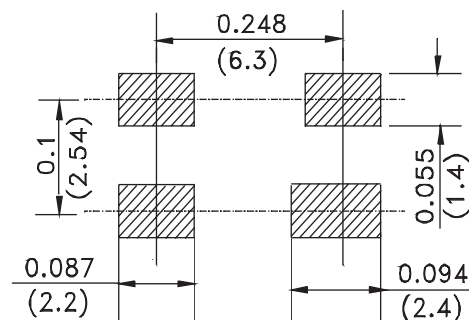


7.0 x 5.0 x 1.3 mm

OUTLINE DRAWING:



Recommended Land Pattern



Dimensions: mm

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

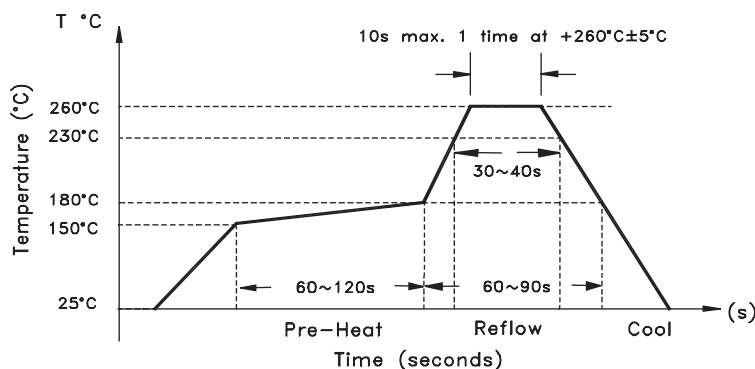
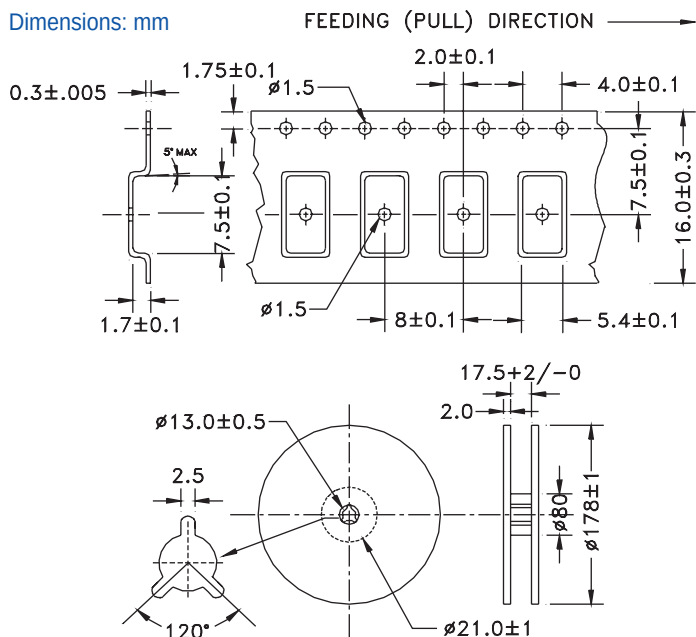
Note 2: A chamfer of 0.3mm may appear on pad 1 or 2.

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

Pads 2 and 4 are connected to metal lid.

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

REFLOW PROFILE:



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

NOTE: Abracon manufactured products are intended for general commercial and industrial use. For applications requiring high reliability and/or presenting extreme operating environment, written consent & authorization from Abracon is required.

ABRACON IS
ISO 9001 / QS 9000
CERTIFIED



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