



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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:

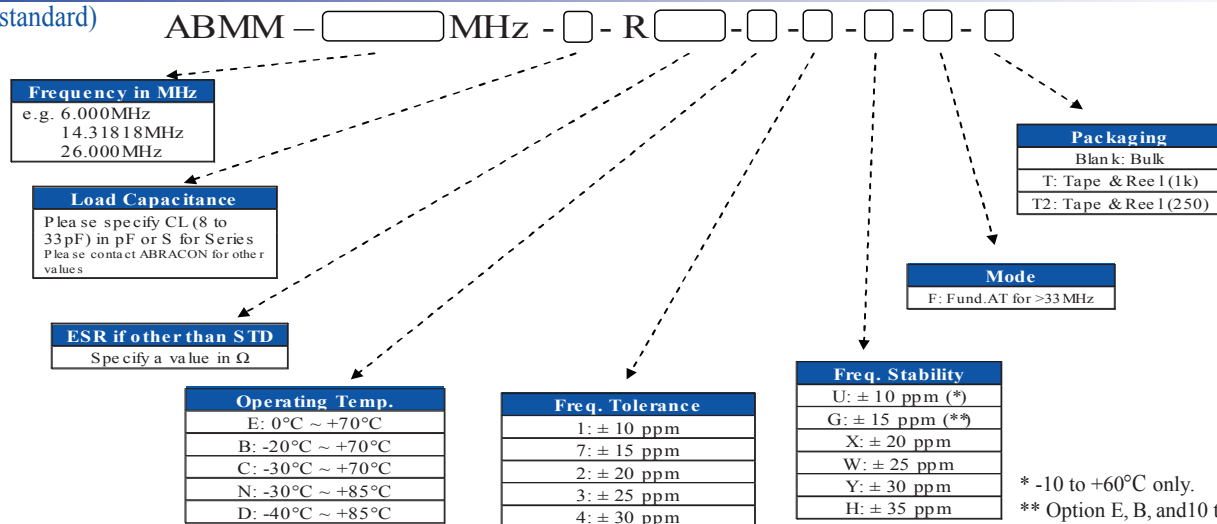
PARAMETERS	
ABRACON P/N	ABMM
Frequency Range	6.0 MHz to 125 MHz
Operation Mode	AT-cut 6.0 MHz ~ 33.0 MHz (Fundamental: Standard) 33.01 MHz - 125 MHz (Third-Overtone: Standard) 33.01 MHz ~ 50.0 MHz (Fundamental: Please specify. See options)
Operating Temperature	- 10°C to + 60°C (see options)
Storage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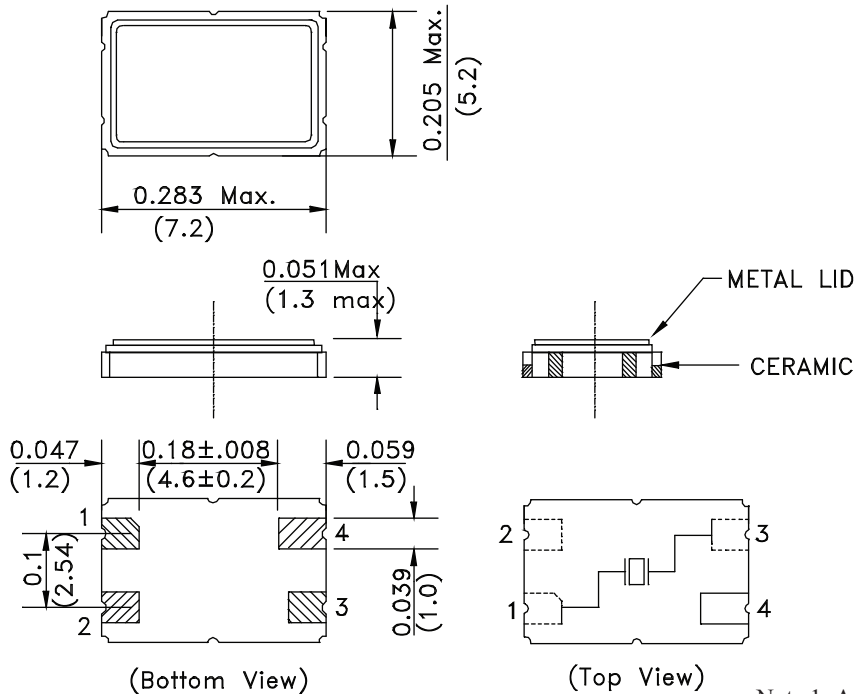


RoHS
Compliant

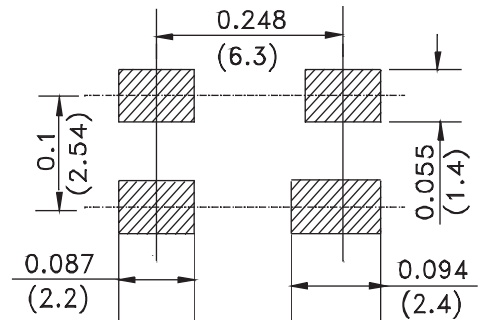


7.0 x 5.0 x 1.3 mm

OUTLINE DRAWING:



Recommended Land Pattern



Dimension : Inches (mm)

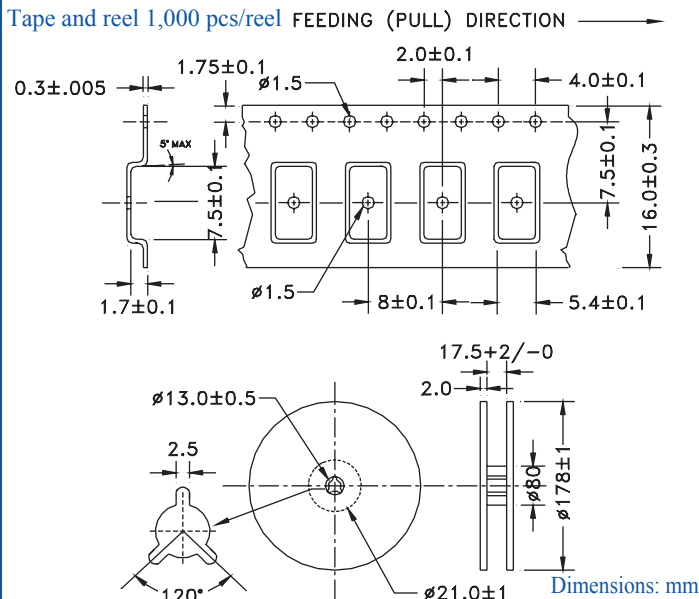
Pads 2 and 4 are connected to metal lid.

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

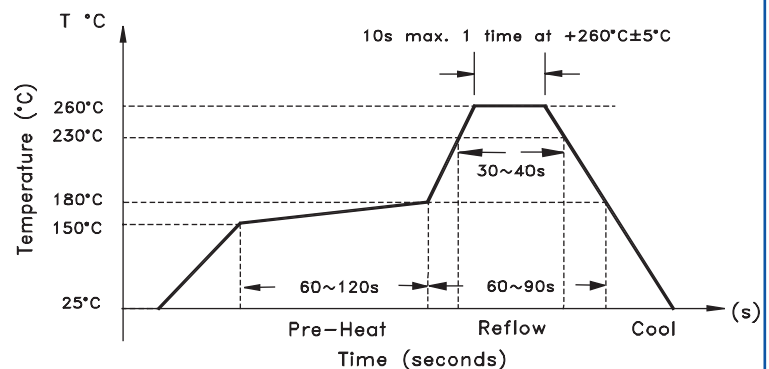
Note 2: A chamfer of 0.3mm may appear on pad 1 or 2.

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

TAPE & REEL:



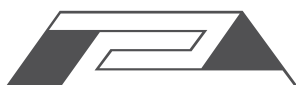
REFLOW PROFILE:



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

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