

# LOW PROFILE CERAMIC SURFACE MOUNT MICROPROCESSOR CRYSTALS

ABM4A, ABM4B



RoHS  
Compliant



7.0 x 5.0 x 1.6 mm

## FEATURES:

- 1.6 mm max. in height
- Glass sealing assures high reliability
- Suitable for reflow

## APPLICATIONS:

- Computers, Modems, and Microprocessors
- Communication and Test Equipment
- High density applications
- Automotive electronic applications

## STANDARD SPECIFICATIONS:

### PARAMETERS

ABRACON P/N	ABM4A, ABM4B
Frequency	6.000 MHz to 100.000 MHz
Operation Mode	AT; Fundamental: 6.00 MHz - 32 MHz; 3rd Overtone: 28.00 MHz - 100.00 MHz
Operating Temperature	-10°C to + 60°C (see options)
Storage Temperature	-40°C to +85°C
Frequency Tolerance	±50 ppm max. (see options)
Frequency Stability over the Operating Temp. (Ref to +25° C)	±50 ppm max. (see options)
Equivalent Series Resistance (max.)	See Table 1
Shunt Capacitance C0	7pF max
Load Capacitance CL	18pF (see options)
Drive Level	100 μW max.
Aging (first year) 25°C ± 3°C	± 5 ppm max.
Insulation Resistance	500 MΩ min. at 100 Vdc ±15 Vdc

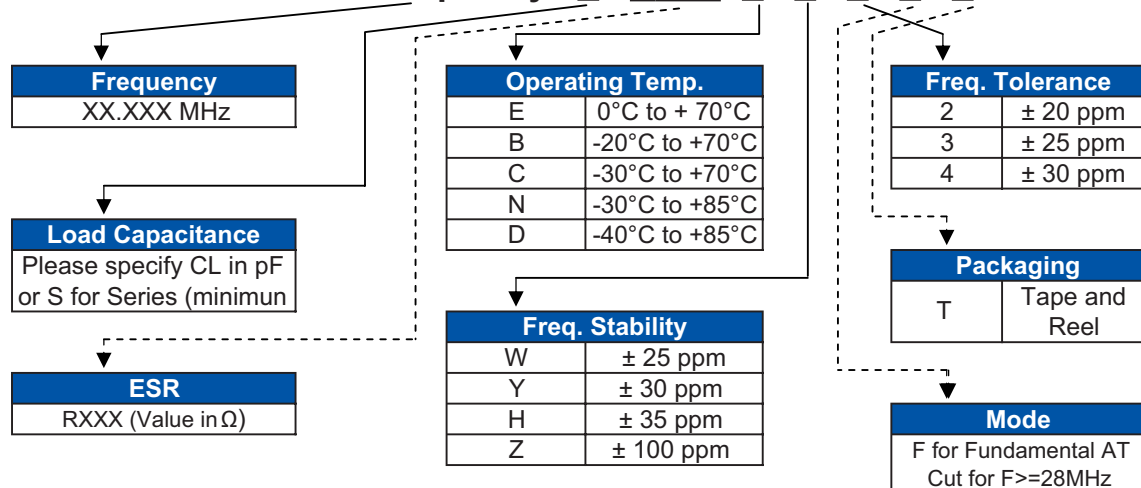
TABLE 1

Frequency (MHz)	ESR(Ω) max.
6.00-6.999 (Fund.)	100
7.00 - 9.999 (Fund.)	80
10.00 - 15.999 (Fund.)	60
16.00 - 32.00(Fund.)	50
28.00 - 44.999 (3rd O/T)	80
45.00 - 59.999 (3rd O/T)	70
60.00 - 70.00 (3rd O/T)	60

## OPTIONS & PART IDENTIFICATION:

(Left blank if standard)

ABM4A or ABM4B - Frequency -  - R -  -  -  -  -  -



REVISED: 4.05.07

ABRACON IS  
ISO 9001 / QS 9000  
CERTIFIED



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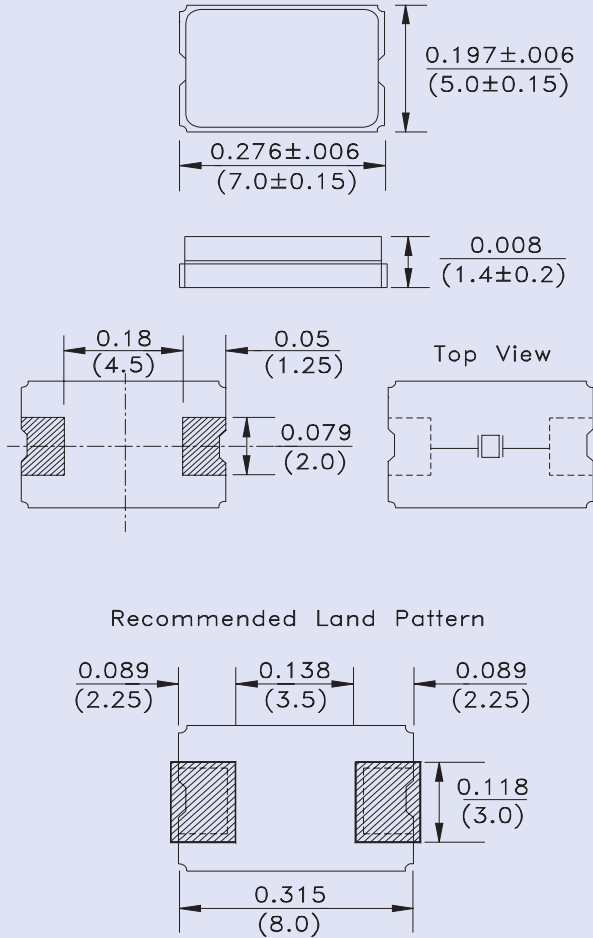
ABM4A, ABM4B



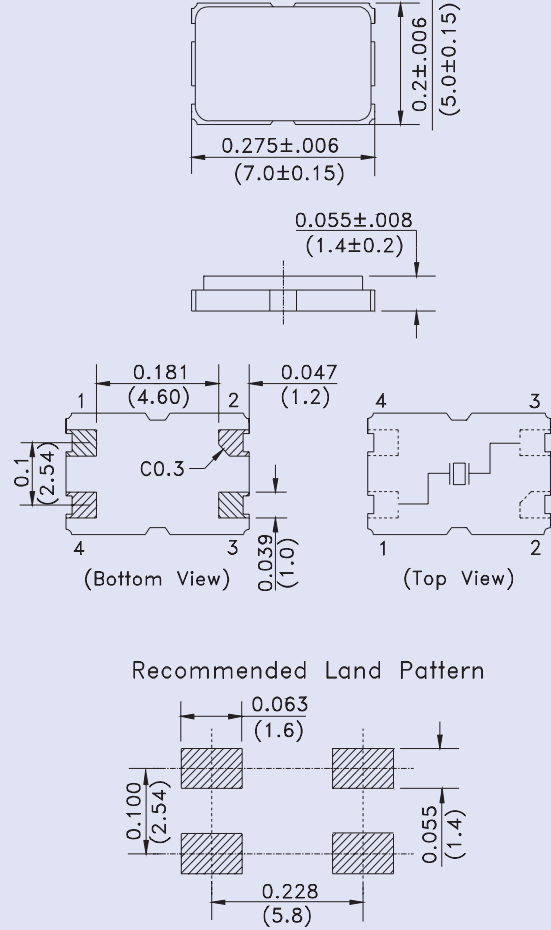
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## OUTLINE DRAWING:

ABM4A:



ABM4B:



Dimensions: (inch) mm

# LOW PROFILE CERAMIC SURFACE MOUNT MICROPROCESSOR CRYSTALS

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## TAPE & REEL:

