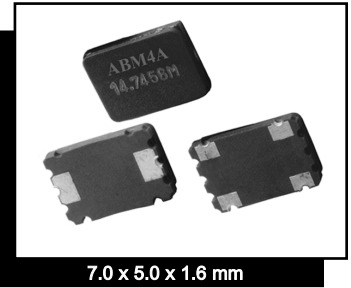


MICROPROCESSOR CRYSTALS LOW PROFILE CERAMIC SURFACE MOUNT ABM4A and ABM4B



FEATURES:

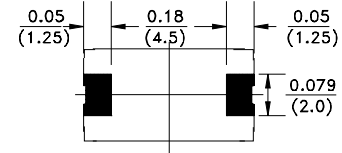
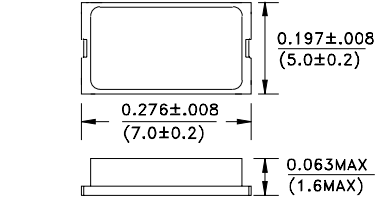
- 1.6 mm max. in height.
- Glass sealing assures high reliability.
- Suitable for reflow.

APPLICATIONS:

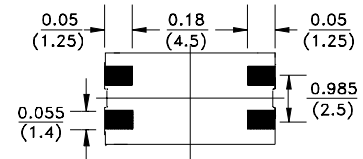
- Computers, Modems, Microprocessors.
- Communication, Test equipment.
- High density applications.

STANDARD SPECIFICATIONS

| | |
|------------------------------------|---|
| Frequency Range | 6.00MHz - 100.00MHz |
| Operating Mode | 6.00MHz ~ 32.00MHz (Fundamental) 28.00MHz ~ 100.00MHz (3rd overtone) |
| Operating Temperature | -10°C to +60°C (See Options) |
| Storage Temperature | -40°C to +85°C |
| Frequency Tolerance @ 25°C | ±50ppm max. (See Options) |
| Frequency Stability over Temp. | ±50ppm max. (See Options) |
| Equivalent Series Resistance (ESR) | 60 Ω max. for 10.0MHz ≤ F < 16.0MHz |
| | 50 Ω max. for 16.0MHz ≤ F ≤ 32.0MHz |
| 3rd Overtone | 60 Ω max. for 28.0MHz ≤ F < 34.0MHz 80 Ω max. for 34.0MHz ≤ F ≤ 100.0MHz |
| Shunt Capacitance C ₀ | 7pF max. |
| Load Capacitance C _L | 18pF (See Options) |
| Drive Level | 100 μW max. |
| Aging @ 25°C First Year | ±5ppm max. |
| Insulation Resistance | 500MΩ min. at 100Vdc ±15V |

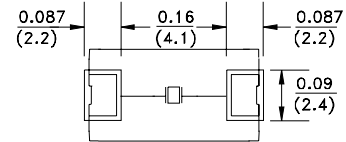


ABM4A

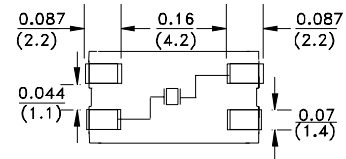


ABM4B

Recommended land pattern



ABM4A



ABM4B

Dimensions: Inches (mm)

Environmental, and mechanical specifications, see appendix C, Group 2.
Marking, see appendix G. Tape and Reel, see appendix H.(1,000 pcs/reel)
Recommended handling, see appendix F. Reflow profile, see appendix E.
Application notes, see appendix A.

ORDERING OPTIONS

ABM4X- Frequency - CL - ESR - Temperature - Tolerance - Stability - Mode - Packaging

A, B

XX.XXXX MHz

Load cap. in pF
or -S for Series

RXXX (value in Ω)

- E for 0°C to +70°C
- B for -20°C to +70°C
- C for -30°C to +70°C
- N for -30°C to +85°C
- D for -40°C to +85°C

-2 for ±20ppm*
-3 for ±25ppm
-4 for ±30ppm

- W for ±25ppm max.*
- Y for ±30ppm max.
- H for ±35ppm max.
- Z for ±100ppm max.**

* Please call us for availability.

** Option Z may apply to extended temperatures.

- T
(Tape & Reel)

- F
Fundamental ≥ 28 MHz

NOTE: Left blank if standard • All specifications and markings subject to change without notice

ABRACON IS
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