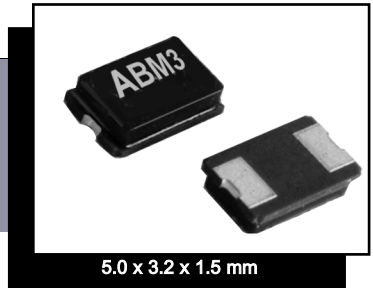


# MICROPROCESSOR CRYSTALS ULTRA MINIATURE CERAMIC SURFACE MOUNT

www.DataSheet4U.com  
**ABM3**



5.0 x 3.2 x 1.5 mm

## FEATURES:

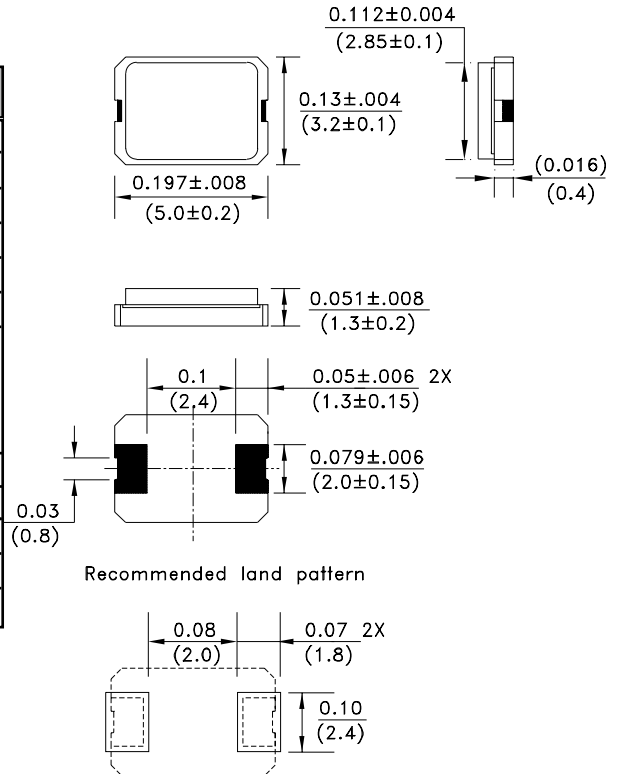
- Low in height. (1.5mm max.)
- High precision crystal .
- Fundamental frequency up to 60MHz.
- Compact designs suitable for high density applications.
- SMD; suitable for solder reflow.
- Superior heat-resistant glass sealing.

## APPLICATIONS:

- Computers, Modems, Communication, Test equipment.
- Thin equipment.

## STANDARD SPECIFICATIONS

Frequency Range	<b>8.000 MHz - 60.000 MHz</b>
Operation Mode	Fundamental
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.	±100ppm max. (See Options)
Equivalent Series Resistance (ESR) Maximum	500 Ω max. for 8.0MHz ≤ F < 9.0MHz 200 Ω max. for 9.0MHz ≤ F < 10.0MHz 60 Ω max. for 10.0MHz ≤ F < 16.0MHz 50 Ω max. for 16.0MHz ≤ F ≤ 60.0MHz
Shunt Capacitance C <sub>0</sub>	7pF max.
Load Capacitance C <sub>L</sub>	18pF (See Options)
Drive Level	100μW max., 10μW correlation
Aging @ 25°C First Year	±5ppm max.
Insulation Resistance	500MΩ min. at 100Vdc ±15V



CONNECTION

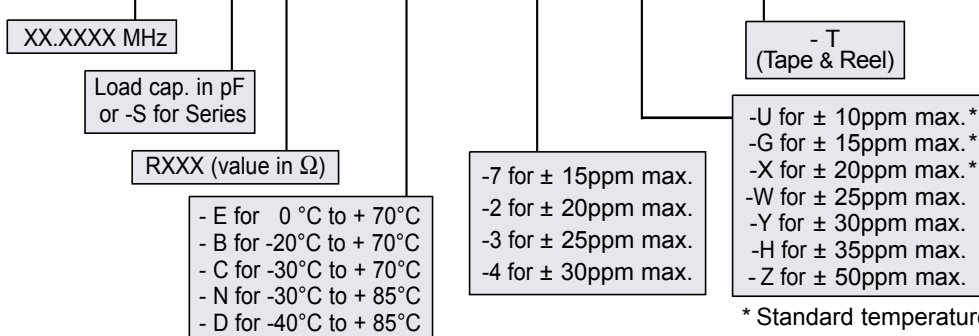


Dimensions: Inches (mm)

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

## ORDERING OPTIONS

**ABM3 - Frequency - CL - ESR - Temperature - Tolerance - Stability - Packaging**



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

**ABRACON IS**  
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