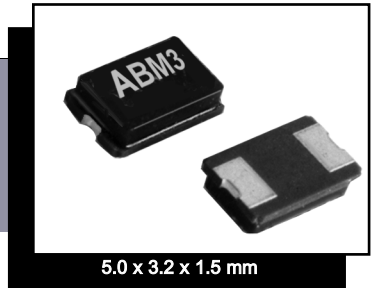


MICROPROCESSOR CRYSTALS

ULTRA MINIATURE CERAMIC SURFACE MOUNT

ABM3



FEATURES:

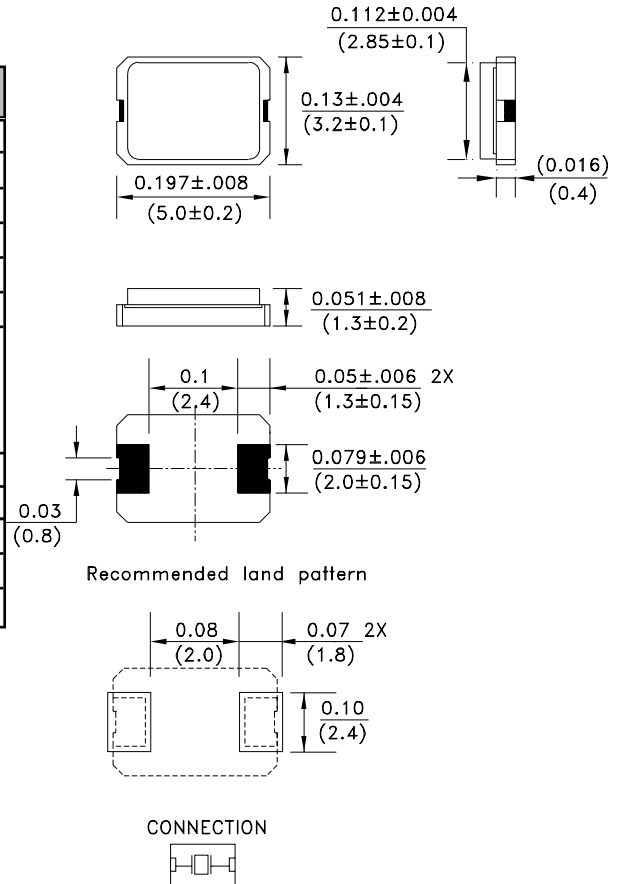
- Low in height. (1.5mm max.)
- High precision crystal .
- Fundamental frequency up to 60MHz.
- Compact designs suitable for high density applications.
- SMD; suitable for solder reflow.
- Superior heat-resistant glass sealing.

APPLICATIONS:

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

STANDARD SPECIFICATIONS

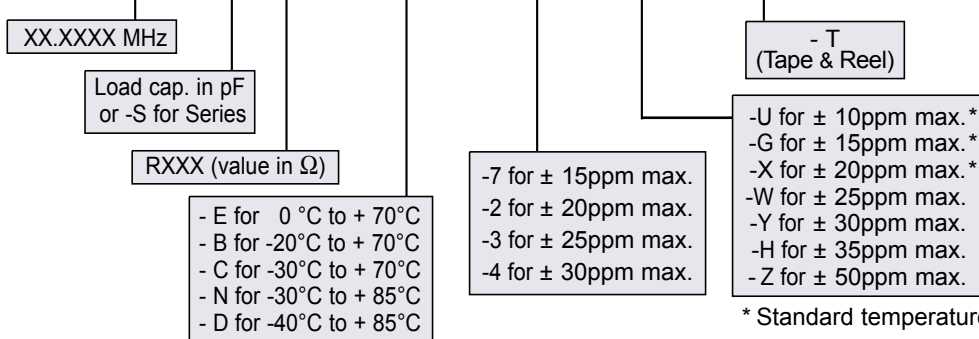
Frequency Range	8.000 MHz - 60.000 MHz
Operation Mode	Fundamental
Operating Temperature	-10°C to +60°C (See Options)
Storage Temperature	-40°C to +85°C
Frequency Tolerance @ 25°C	±50ppm max. (See Options)
Frequency Stability over Temp.	±100ppm max. (See Options)
Equivalent Series Resistance (ESR) Maximum	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 ₀	7pF max.
Load Capacitance C _L	18pF (See Options)
Drive Level	100μW max., 10μW correlation
Aging @ 25°C First Year	±5ppm max.
Insulation Resistance	500MΩ min. at 100Vdc ±15V



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
 ISO 9001 / QS 9000
 CERTIFIED

29 Journey • Aliso Viejo, CA 92656 • USA
 (949) 448-7070 • FAX: (949) 448-8484

E-MAIL: abinfo@abracon.com • INTERNET ADDRESS: www.abracon.com

