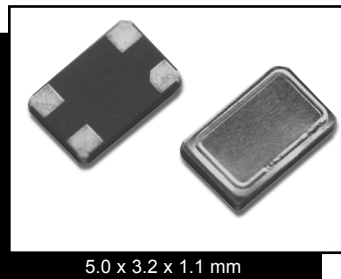


MICROPROCESSOR CRYSTALS

ULTRA MINIATURE CERAMIC SURFACE MOUNT

ABM3B



5.0 x 3.2 x 1.1 mm

FEATURES:

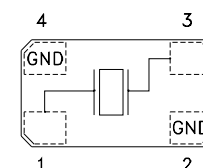
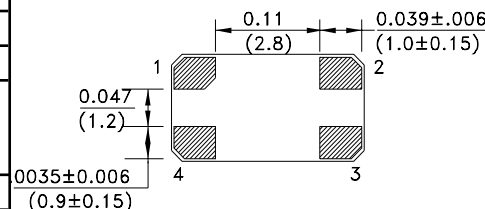
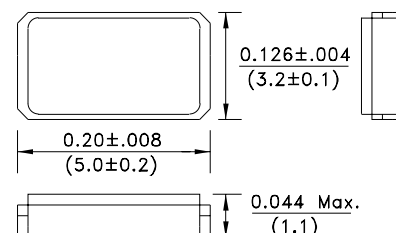
- Ultra miniature size 5.0 x 3.2 x 1.1 mm max.
- Suitable for reflow.
- Ceramic package and metal lid assures high precision and reliability.
- Fundamental mode.
- Tight Stability available.
- Seam sealing.

APPLICATIONS:

- Cellular telephones, Pagers.
- Communication and Test equipment.
- High Density applications.
- PCMCIA and wireless applications.

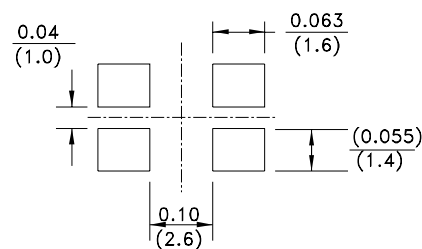
STANDARD SPECIFICATIONS

Frequency Range	10.000 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.	±50ppm max. (See Options)
Equivalent Series Resistance (ESR) Maximum	100 Ω max. for 10.000MHz ≤ F < 12.000MHz 70 Ω max. for 12.000MHz ≤ F < 16.000MHz 50 Ω max. for 16.000MHz ≤ F ≤ 60.000MHz
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



TOP VIEW

Recommended land pattern



Dimensions: Inches (mm)

Environmental, and mechanical specifications, see appendix C. Group 2.

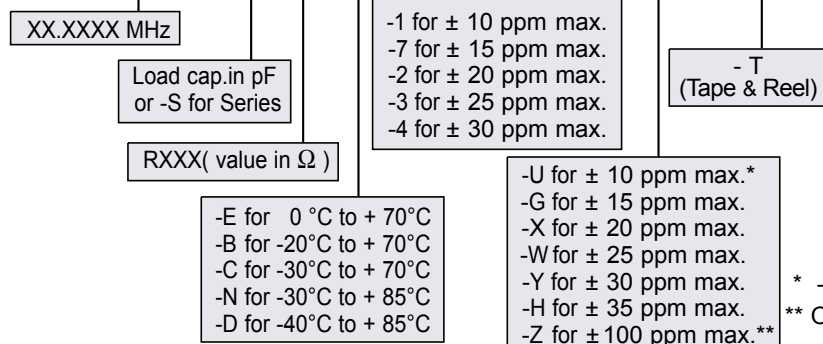
Tape and Reel, see appendix H.(1,000 pcs/reel)

Marking, see appendix G. Reflow profile, see appendix E.

Application notes, see appendix A. Recommended handling, see appendix F.

ORDERING OPTIONS

ABM3B - Frequency - CL - ESR - Temperature - Tolerance - Stability - Packaging



* -10°C to +60°C only

** Option Z may apply to extended temperatures.

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

ABRACON IS
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