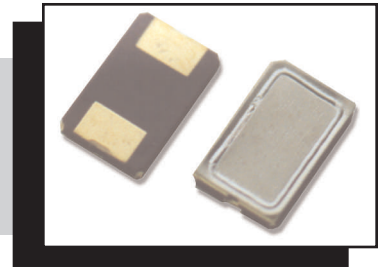


# MICROPROCESSOR CRYSTALS ULTRA MINIATURE CERAMIC SURFACE MOUNT ABM3A



## FEATURES:

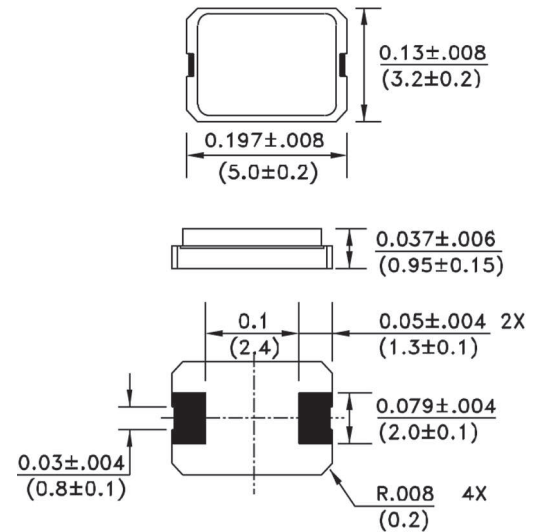
- Ultra miniature size 5.0 x 3.2 x 1.1 mm max.
- Suitable for reflow.
- Ceramic package and metal lid assures high precision and reliability.
- Fundamental mode.
- Tight Stability available

## APPLICATIONS:

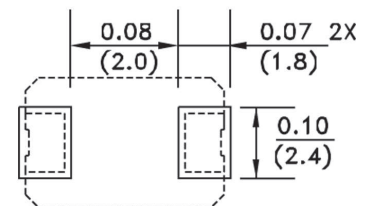
- Computers, Modems and Microprocessors.
- Communication and Test equipment.
- High Density applications.
- PCMCIA and wireless applications.

## STANDARD SPECIFICATIONS

Frequency Range	<b>10.000 MHz - 66.000 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	±50 ppm max. (See Options)
Frequency Stability over Temp.	±50 ppm max. (See Options)
Equivalent Series Resistance (ESR) Maximum	150 Wmax. for F=10.000MHz -11.999MHz 100 Wmax. for F=12.000MHz -15.999MHz 70 Wmax. for F=16.000MHz -29.999MHz 50 Wmax. for F=30.000MHz -66.000MHz
Shunt Capacitance Co	7 pF max.
Load Capacitance CL	18 pF (See Options)
Drive Level	200µW max., 50µW correlation
Aging @ 25° C First Year	± 5 ppm max.
Insulation Resistance	500 MWmin. at 100 Vdc ± 15V



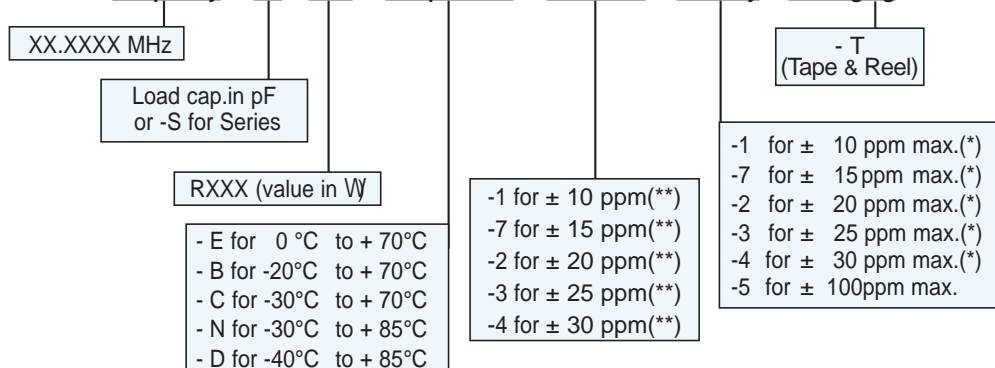
## RECOMMENDED LAND PATTERN



Please see environmental, and mechanical specifications Group 2.  
Tape and Reel (1,000 pcs/reel).

## ORDERING OPTIONS

ABM3A - Frequency - CL - ESR - Temperature - Tolerance - Stability - Packaging



## CONNECTION



Dimensions: Inches (mm)

(\*) -10°C to +60°C only  
(\*\*) Please call for availability.

ABRACON IS  
ISO 9001 / QS 9000  
CERTIFIED

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

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