

2.5 x 2.0 x 0.65 mm

MICROPROCESSOR CRYSTALS

ULTRA MINIATURE CERAMIC SURFACE MOUNT

ABM10

FEATURES:

- Ultra miniature size 2.5 x 2.0 x 0.65 mm max.
- Suitable for reflow.
- Ceramic package and metal lid assures high precision and reliability.

APPLICATIONS:

- Blue-tooth, Wireless applications.
- Computers, Modems, Microprocessors.
- Communication, Test equipment.
- High density applications.
- PCMCIA.

- Fundamental mode.
- Tight stability available.

STANDARD SPECIFICATIONS

Frequency Range	20.000MHz - 60.000MHz
Operation Mode	Fundamental
Operating Temperature	-10°C to +60°C (See Options)
Storage Temperature	-40°C to +85°C
Frequency Tolerance @ 25°C	±20ppm max. (See Options)
Frequency Stability over Temp.	±30ppm max. (See Options)
Equivalent Series Resistance (ESR) Maximum	100 Wmax. for 20.0MHz < F < 30.0MHz 60 Wmax. for 30.0MHz < F ≤ 60.0MHz
Shunt Capacitance C ₀	7pF max.
Load Capacitance C _L	10pF (See Options)
Drive Level	200µW max., 10µW correlation
Aging @ 25°C First Year	±5ppm max.
Insulation Resistance	500MW min. at 100Vdc ±15V

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

ABM10 - Frequency - CL - ESR - Temperature - Tolerance - Stability - Packaging

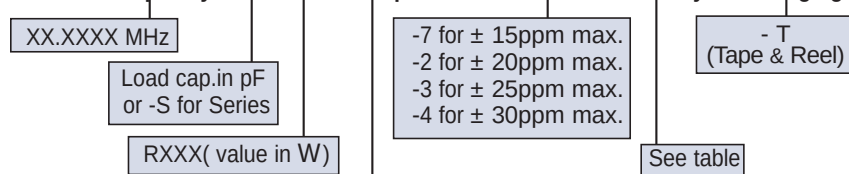


Table 1 Frequency Stability - VS - Temperature max.						
Temperature	±10ppm	±15ppm	±20ppm	±30ppm	±50ppm	±100ppm
0°C to +50°C	I10	I15	I20	I30	I50	I100
-10°C to +60°C	x	A15	A20	STD	A50	A100
-20°C to +70°C	x	x	E20	E30	E50	E100
-30°C to +70°C	x	x	x	C30	C50	C100
-40°C to +85°C	x	x	x	D30	D50	D100

Please contact us for customized specifications

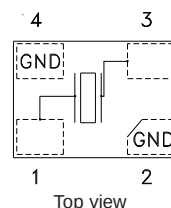
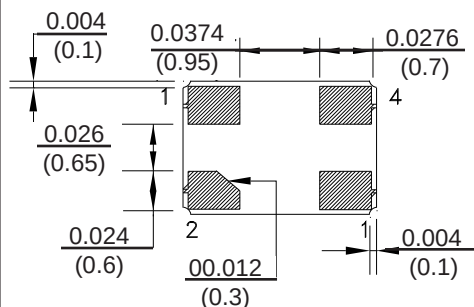
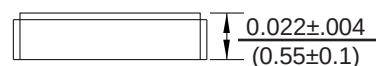
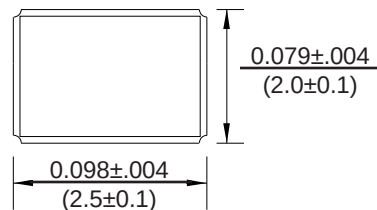


NOTE: Left blank if standard • All specifications and markings subject to change without notice

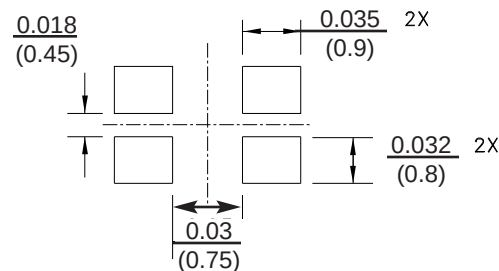
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ABRACON IS
ISO 9001 / QS 9000
CERTIFIED



Recommended land pattern



Dimensions: Inches (mm)

(x) Please call for availability