

LOW PROFILE CERAMIC SURFACE MOUNT MICROPROCESSOR CRYSTALS

ABM4B

Pb in Glass
(exempt per RoHS 2002/95/EC Annex (5))

RoHS
Compliant



7.0 x 5.0 x 1.6 mm

FEATURES:

- 1.6 mm max. in height
- Glass sealing assures high reliability
- IR reflow capable

APPLICATIONS:

- Computers, Modems, and Microprocessors
- Communication and Test Equipment
- High density applications
- Automotive electronic applications (Contact ABRACON)

STANDARD SPECIFICATIONS:

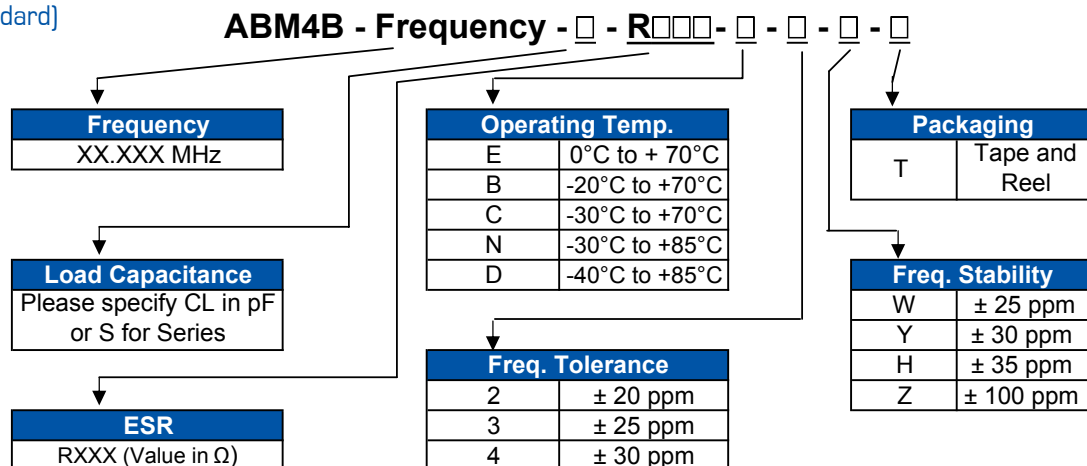
PARAMETERS	
ABRACON P/N	ABM4B Series
Frequency	6.000 MHz to 48.000 MHz
Operation Mode	AT cut 6.00 MHz - 40 MHz (Fundamental) 40.01 MHz - 48.00 MHz (3rd Overtone)
Operating Temperature	-10°C to + 60°C (see option)
Storage Temperature	-40°C to +85°C
Frequency Tolerance	± 50 ppm max. (see option)
Frequency Stability over the Operating Temp. (Ref to +25° C)	± 50 ppm max. (see option)
Equivalent Series Resistance (max.)	See Table 1
Shunt Capacitance C0	7.0pF max
Load Capacitance CL	18.0pF (see options)
Drive Level	100 μW max.
Aging (first year) 25°C ± 3°C	± 5 ppm max.
Insulation Resistance	500 MΩ min. at 100 Vdc ±15 Vdc

Table 1

Frequency (MHz)	ESR(Ω) max.
6.00-6.999 (Fund.)	100
7.00 - 9.999 (Fund.)	80
10.00 - 15.999 (Fund.)	60
16.00 - 40.00(Fund.)	50
28.00 - 40.00 (3rd O/T)	80
40.01 - 48.00 (3rd O/T)	70

OPTIONS & PART IDENTIFICATION:

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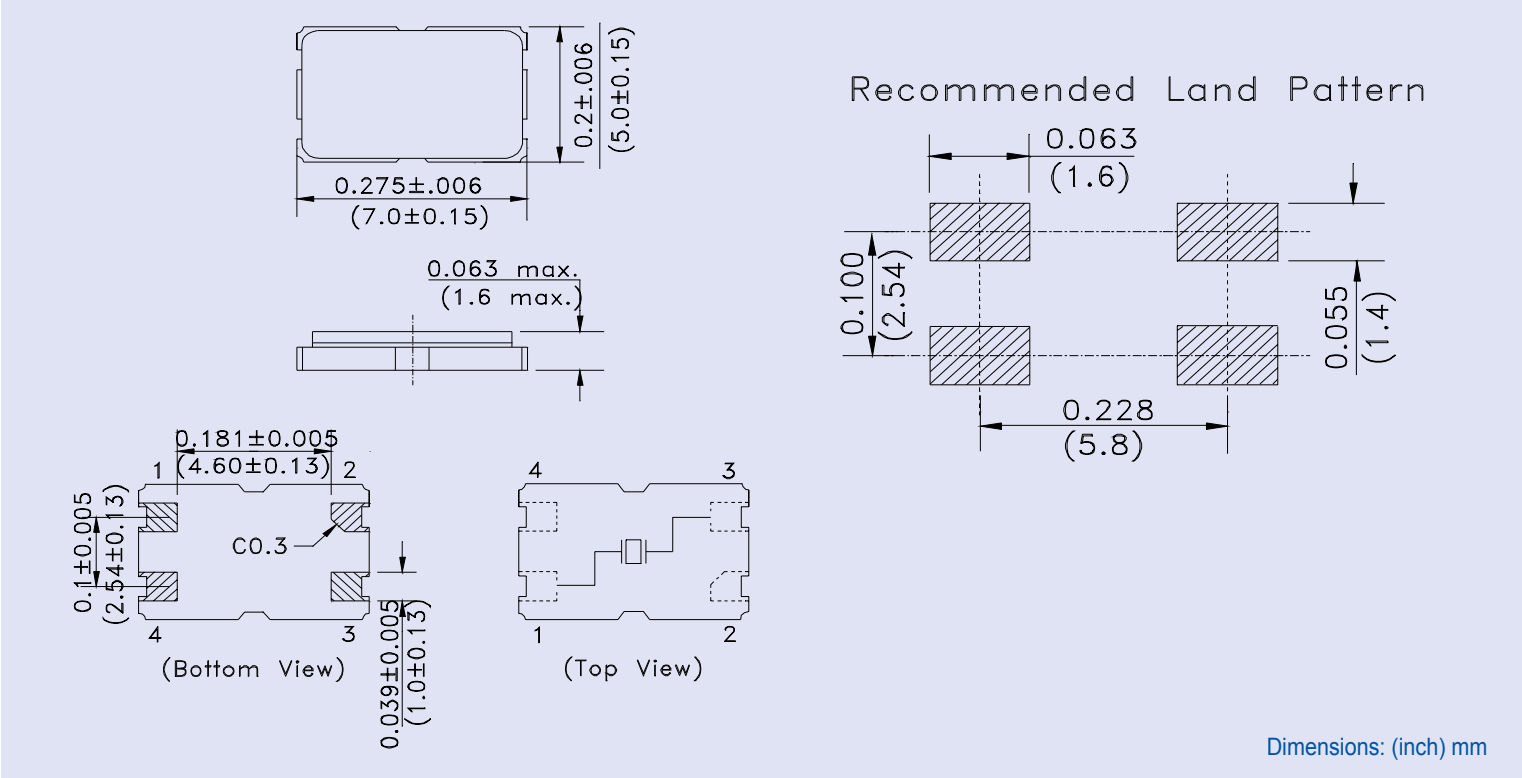
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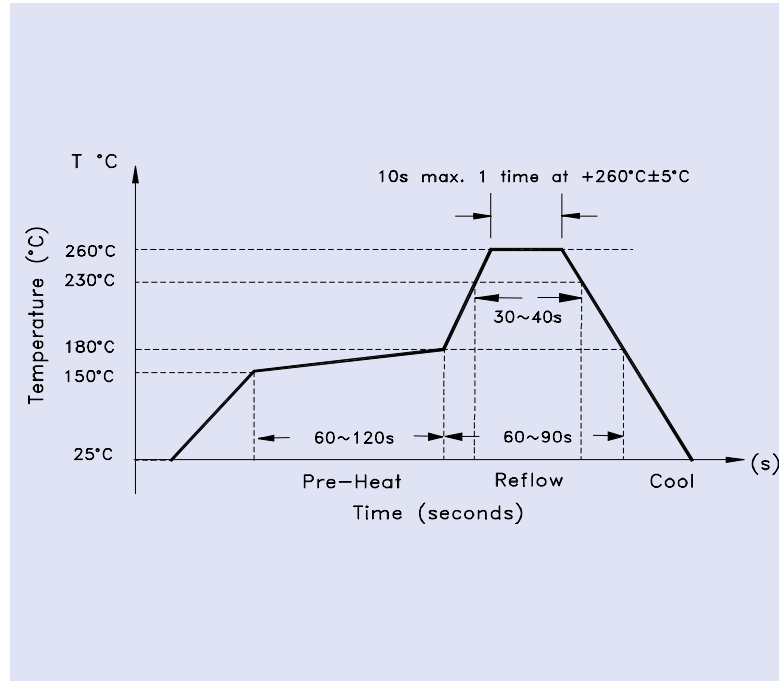
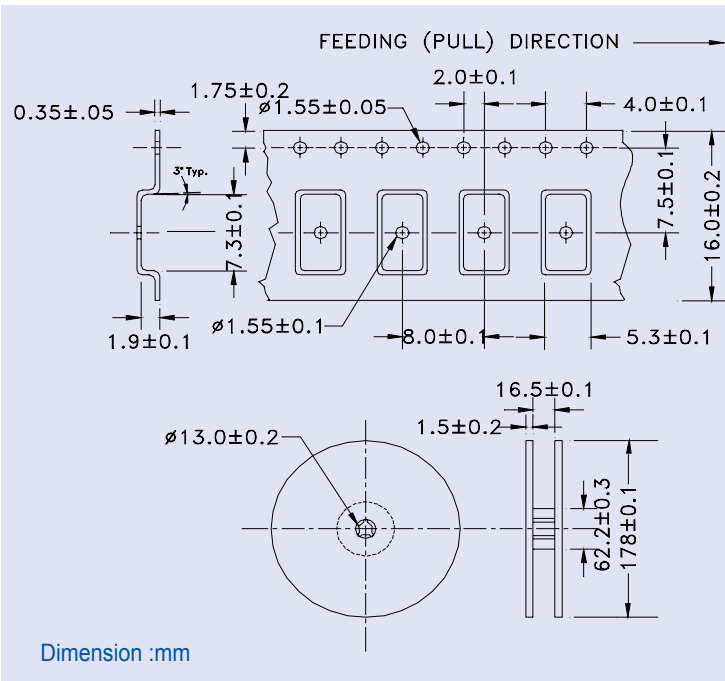
7.0 x 5.0 x 1.6 mm

OUTLINE DRAWING:



TAPE AND REEL: T= tape and reel (1,000pcs/reel)

REFLOW PROFILE:



NOTE: Abracon manufactured products are intended for general commercial and industrial use. For applications requiring high reliability and/or presenting extreme operating environment, written consent & authorization from Abracon is required.