

AT-CUT LOW COST CERAMIC SMD CRYSTAL



ABM63CA

6.0 x 3.5 x 1.2 mm



RoHS
Compliant

ABM63CA

FEATURES:

- Industrial standard package 6.0 x 3.5mm with 2padx.
- Ideal for Cost Sensitive Commercial Electronics
- Suitable for High Volume Applications

APPLICATIONS:

- Laptop computers
- Computer peripherals
- Home network modem

STANDARD SPECIFICATIONS:

PARAMETERS	
ABRACON P/N:	ABM63CA Series
Frequency range:	8.0 MHz to 48 MHz
Operation Mode:	AT-cut (Fundamental for <40MHz, 3rd OT for >40MHz)
Operating temperature:	-10°C to + 60°C (see options)
Storage temperature:	-40°C to +85°C
Freq. Tolerance at +25° C:	± 30ppm max. (Contact ABRACON for tighter tolerance)
Freq. stability over operating temperature (Ref to +25° C):	± 50ppm max. (Contact ABRACON for tighter stability)
Equivalent series resistance:	See Table 1
Shunt capacitance C0:	7pF max
Load capacitance CL:	18pF (see option)
Drive Level:	100uW max
Aging @ 25°C per year:	±10ppm max
Insulation Resistance:	500Mohms min at 100Vdc

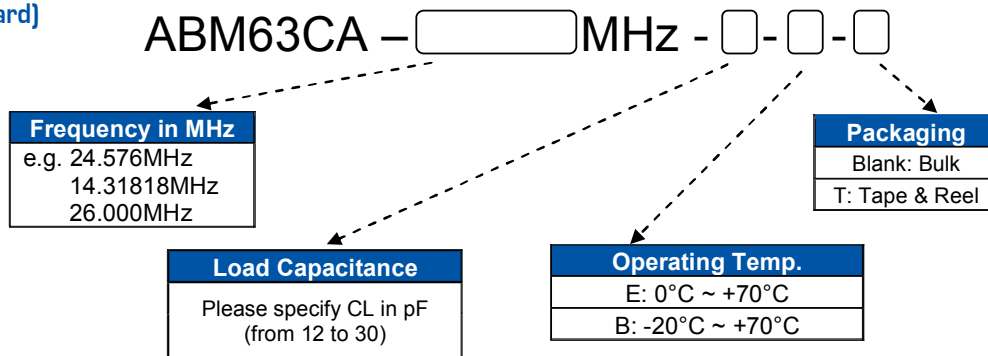
TABLE 1

Frequency (MHz)	ESR (Ω)
8.000 - 11.999	80
12.000 - 16.000	60
16.001 - 40.000	40
40.001 - 48.008	Contact ABRACON

Test Condition: Parts shall be tested under the condition of +20±15°C of the temperature, +65%±20%RH of the humidity unless the standard condition of +25±2°C of the temperature, +65%±5%RH of the humidity is specified.

OPTIONS AND PART IDENTIFICATION:

(Left blank if standard)



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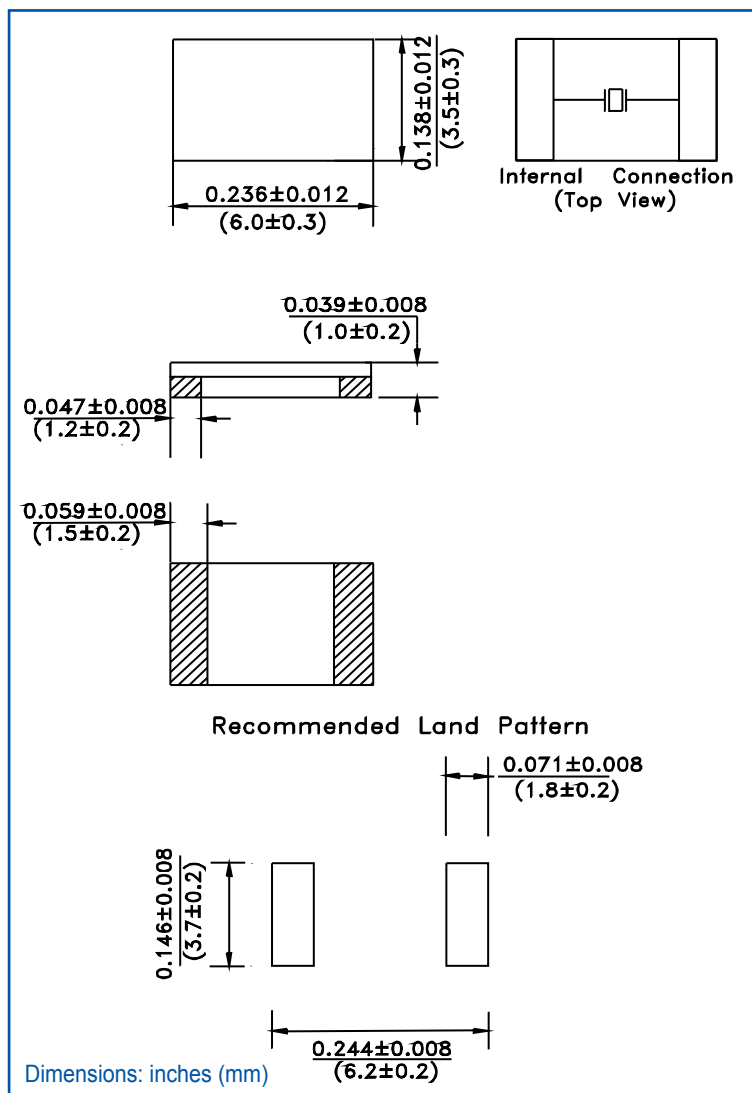
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6.0 x 3.5 x 1.2 mm

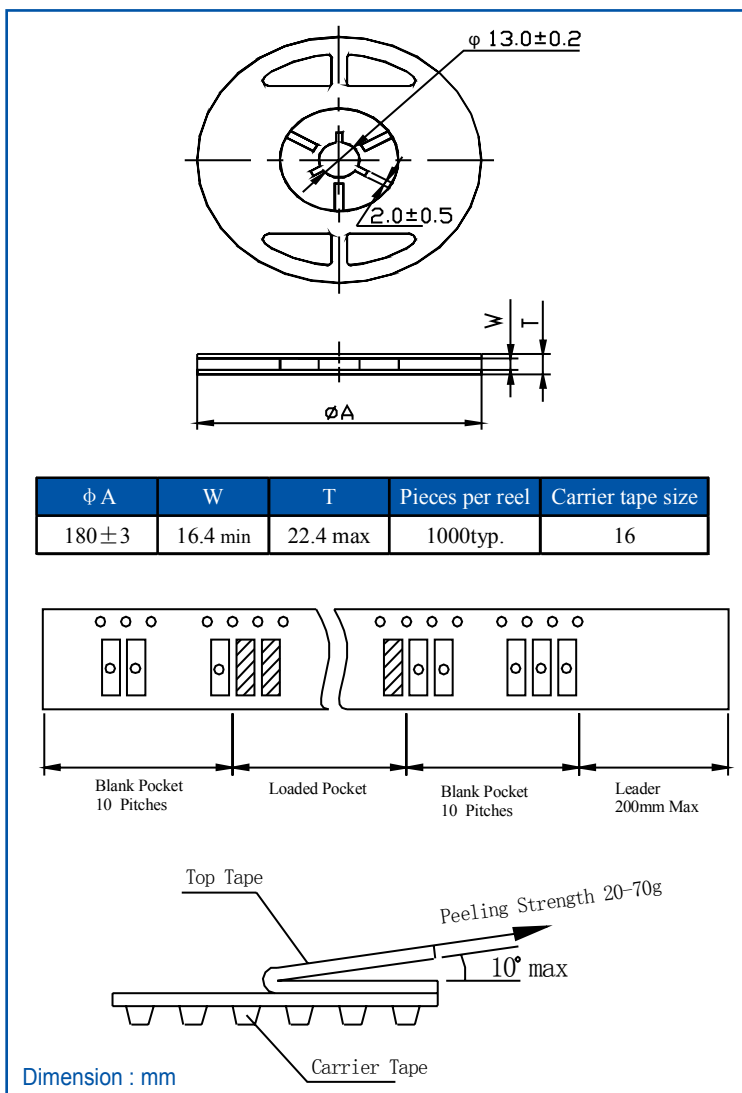


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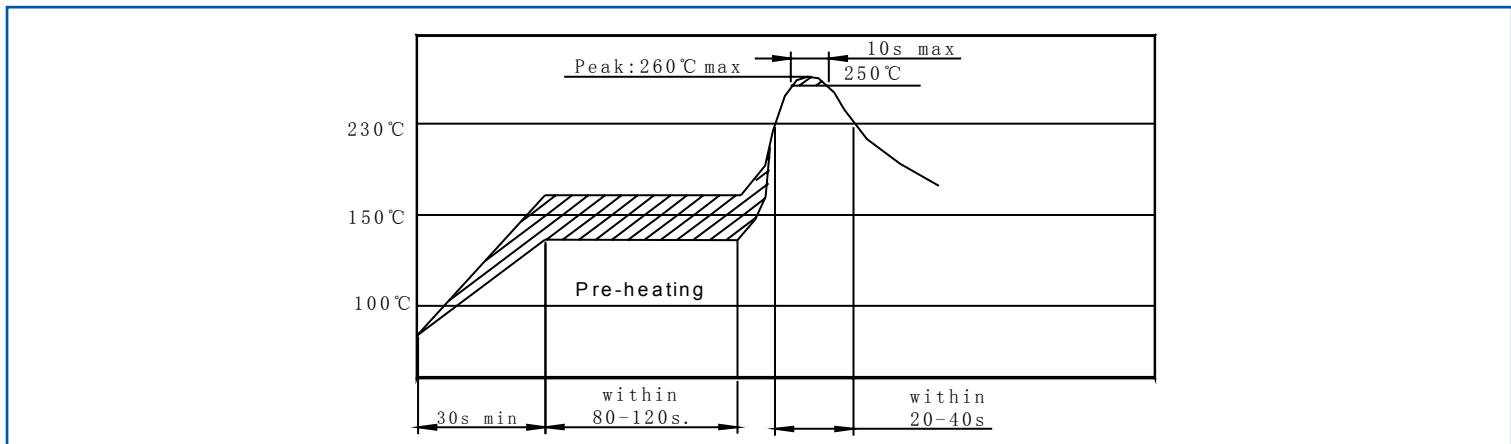
OUTLINE DRAWING:



TAPE & 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.

ABRACON IS
ISO9001:2008
CERTIFIED



Visit www.abracon.com for Terms & Conditions of Sale **Revised: 01.27.10**
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