

CERAMIC SMD MICRO MINIATURE MICROPROCESSOR CRYSTAL

ABM7Pb in Glass
(exempt per RoHS 2002/95/EC Annex (5))**RoHS**
Compliant

6.0 x 3.5 x 1.4mm

FEATURES:

- Low in height (1.4 mm max.)
- Ceramic package assures high reliability
- Small size SMD, suitable for high density applications
- Superior heat-resistant glass sealing
- Wide operating temperature available

APPLICATIONS:

- Computers, Modems, Communication equipment
- Thin equipment
- Industrial wide temperature applications

STANDARD SPECIFICATIONS:

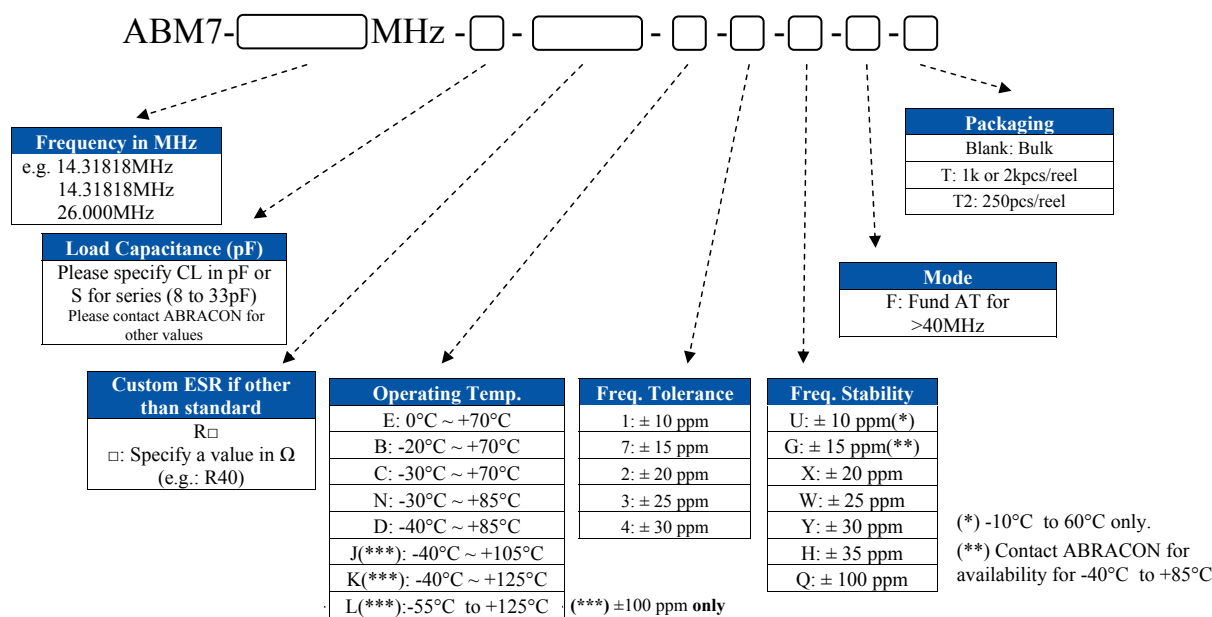
Parameters	Minimum	Typical	Maximum	Units	Notes
Frequency Range	8.000	-----	50.000 (*)	MHz	Fundamental
Operation mode	8.000	-----	39.999999		Fundamental AT-cut (Standard)
	40.000	-----	80.000		3 rd OT AT-cut (Standard)
	40.000	-----	50.000		Fundamental AT-cut (See options)
Operating Temperature	-10	-----	+60	°C	See options
Storage Temperature	-40	-----	+90	°C	
Frequency Tolerance @+25°C	-50	-----	+50	ppm	See options
Frequency Stability over the Operating Temperature (ref. to +25°C)	-50	-----	+50	ppm	See options
Equivalent series resistance	See table 1 below			Ω	-----
Shunt capacitance (C0)	-----	-----	7	pF	-----
Load capacitance (CL)	-----	18	-----	pF	See options
Drive Level	-----	10	100	μW	
Aging@25°C±3°C	-----	-----	±5	ppm	First year
Insulation Resistance	500	-----	-----	MΩ	@ 100Vdc

(*) Frequency above 40MHz based on availability.
Please contact ABRACON

Table 1

Frequency (MHz)	ESR(Ω) max.	Operation Mode
8.000 – 9.999	100	Fundamental
10.000 – 15.999	60	Fundamental
16.000 – 50.000	50	Fundamental
40.000 – 80.000	70	3 rd Overtone

OPTIONS AND PART IDENTIFICATION: (left blank if standard)

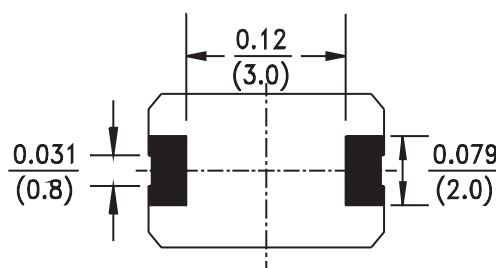


ABM7

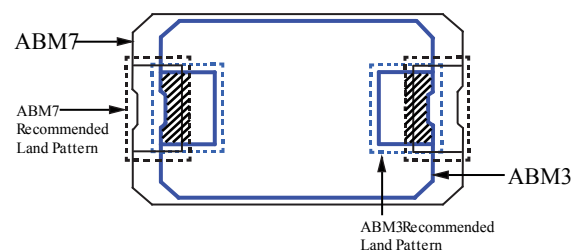
ABM7



A schematic diagram of a series circuit. It consists of a battery (represented by two cells), a switch, and a light bulb (represented by a circle with a cross inside) connected in a single loop.

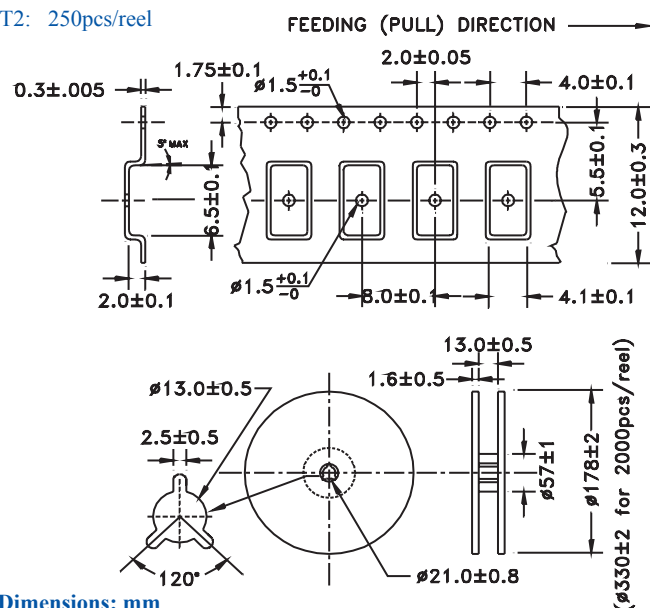


Land pattern compatibility between ABM3 and ABM7

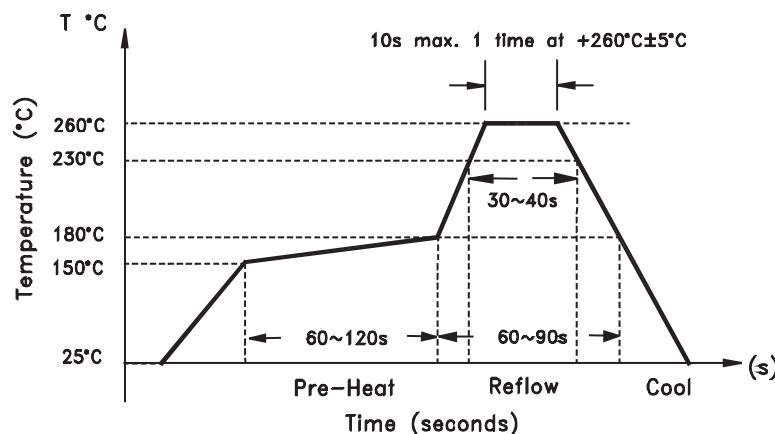
**TAPE & REEL:**

REFLOW PROFILE:

T2: 250pcs/reel



Dimensions: mm



ABRACON IS
ISO9001:2008
CERTIFIED



ABRACON CORPORATION

Visit www.abracon.com for Terms & Conditions of Sale **Revised: 12.13.10**
30332 Esperanza, Rancho Santa Margarita, California 92688
tel 949-546-8000 | fax 949-546-8001 | www.abracon.com

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

ABRACON:

[ABM7-12.000MHZ-B4-T](#) [ABM7-13.000MHZ-B4-T](#) [ABM7-14.31818MHZ-B4-T](#) [ABM7-14.7456MHZ-B4-T](#) [ABM7-16.000MHZ-B4-T](#) [ABM7-18.432MHZ-B4-T](#) [ABM7-20.000MHZ-B4-T](#) [ABM7-22.1184MHZ-B4-T](#) [ABM7-24.576MHZ-B4-T](#) [ABM7-25.000MHZ-B4-T](#) [ABM7-12.000MHZ-D2Y-T](#) [ABM7-32.000MHZ-D2Y-T](#) [ABM7-30.000MHZ-D2Y-T](#) [ABM7-33.000MHZ-D2Y-T](#) [ABM7-16.000MHZ-D2Y-T](#) [ABM7-10.0000MHZ-D2Y-T](#) [ABM7-24.000MHZ-D2Y-T](#) [ABM7-20.000MHZ-D2Y-T](#) [ABM7-27.000MHZ-D2Y-T](#) [ABM7-22.1184MHZ-D2Y-T](#) [ABM7-24.576MHZ-D2Y-T](#) [ABM7-19.6608MHZ-D2Y-T](#) [ABM7-14.31818MHZ-D2Y-T](#) [ABM7-14.7456MHZ-D2Y-T](#) [ABM7-11.2896MHZ-D2Y-T](#) [ABM7-18.432MHZ-D2Y-T](#) [ABM7-12.288MHZ-D2Y-T](#) [ABM7-25.000MHZ-D2Y-T](#) [ABM7-8.000MHZ-D2Y-T](#) [ABM7-11.0592MHZ-D2Y-T](#) [ABM7-9.8304MHZ-D2Y-T](#) [ABM7-40.000MHZ-D2Y-F-T](#) [ABM7-48.000MHZ-D2Y-F-T](#) [ABM7-14.31818MHZ-D4H-T](#) [ABM7-15.360MHZ-B4-T](#) [ABM7-33.000MHZ-D2X-T](#) [ABM7-25.000MHZ-D2X-T](#) [ABM7-13.560MHZ-10-R50-K4Q-T](#) [ABM7-9.84375MHZ-10-R50-K4Q-T](#) [ABM7-13.52127MHZ-10-R50-J4Q-T](#) [ABM7-9.81563MHZ-10-R50-J4Q-T](#)