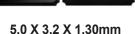
MINIATURE CERAMIC SMD CRYSTAL



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





ABM3

Smaller package alternative for ABM7 series

> FEATURES:

- AT-cut fundamental and 3rd OT mode
- IR reflow capable
- Tight Stability available.
- Ceramic package hermetically glass sealed assures high precision and reliability.

> APPLICATIONS:

- Cellular telephones, Pagers.
- Communication and Test equipment.
- PCMCIA and wireless applications.

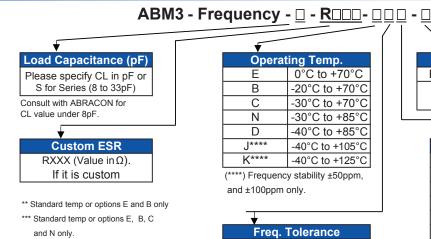
STANDARD SPECIFICATIONS:

PARAMETERS		
ABRACON P/N	ABM3 Series	
Frequency Range	8.0MHz - 50.0MHz (Fundamental) 50.1MHz - 125MHz (3rd overtone)	
Operation Mode	Fundamental or 3rd overtone	
Operating Temperature	- 10°C to + 60°C (see options)	
Storage Temperature	- 40°C to + 90°C	
Frequency Tolerance @ 25°C	± 50 ppm max. (see options)	
Frequency Stability over the Operating Temperature (Ref to + 25°C)	± 50ppm max. (Blank (STD) or Z option. See options below)	
Equivalent Series Resistance	See table 1	
Shunt Capacitance C0	7 pF max.	
Load Capacitance CL	18 pF (see options)	
Drive Level	100 μW max., 10 μW typical	
Aging (First Year) @ 25°C ± 3°C	± 5ppm max.	
Insulation Resistance	500 MΩ min at 100Vdc ± 15 V	

TABLE 1- Standard ESR

Frequency (MHz)	ESR (Ω) max	Operational Mode
8.000 - 8.999	500	Fundamental
9.000 - 9.999	200	Fundamental
10.000 - 15.999	60	Fundamental
16.000 - 50.000	50	Fundamental
50.001 - 80.000	60	3rd Overtone
80.001 - 125.00	80	3rd Overtone

OPTIONS AND PART IDENTIFICATION: (Left blank if standard)



Freq. Stability		
± 10 ppm		
± 15 ppm		
± 20 ppm		
± 25 ppm		
± 30 ppm		
± 35 ppm		
± 50 ppm		
± 100 ppm		

Packaging

Bulk

Tape and

Reel

Blank

± 15 ppm

± 20 ppm

± 25 ppm

± 30 ppm

2

3

4

ABRACON IS ISO9001:2008 CERTIFIED



Contact ABRACON for tighter freq. stability.

MINIATURE CERAMIC SMD CRYSTAL

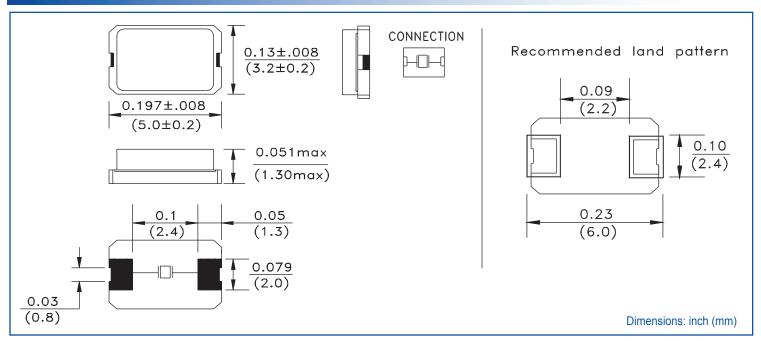
ABM3

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





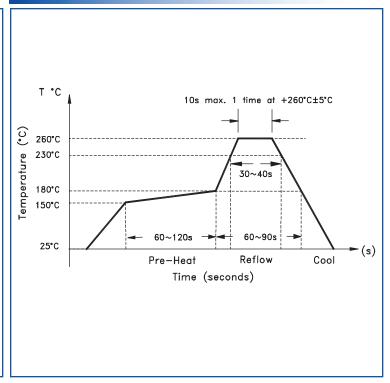
OUTLINE DRAWING:



> TAPE & REEL:

Tape and reel (1,000pcs/reel) FEEDING (PULL) DIRECTION 1.75±0.1 2.0±0.1 4.0±0.1 0.3±.05 1.4±0.1 91.05 8.0±0. 12.4±0.2 2.0 921.0±1

> REFLOW PROFILE





Need a test socket for the ABM3 Series? To view compatible **PRECISION TEST & BURN-IN SOCKETS** for these parts, **click here. P/N: AXS-5032-02-06**

ATTENTION: Abracon Corporation's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon Corporation is required. Please contact Abracon Corporation for more information.



Dimensions: mm

