CERAMIC SMD MICRO MINIATURE

MICROPROCESSOR CRYSTAL

(exempt per RoHS 2002/95/EC Annex (5))



6.0 x 3.5 x 1.4mm

FEATURES:

• Low in height (1.4 mm max.)

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- Superior heat-resistant glass sealing
 Wide operating temperature available
- **APPLICATIONS:**
- Computers, Modems, Communication equipment
- Thin equipment

Pb in Glass

• Industrial wide temperature applications

RoHS

Compliant

- Ceramic package assures high reliability
- Small size SMD, suitable for high density applications

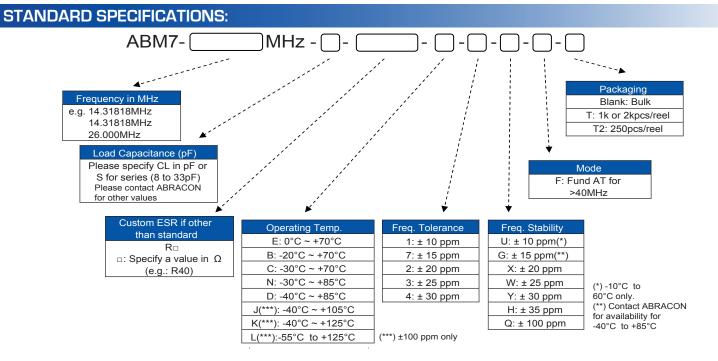
STANDARD SPECIFICATIONS:

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	ppm	See options
Frequency Stability over the Operating Temperature (ref. to +25°C)			±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

Table 1

Frequency (MHz)	ESR(Ω) max.	Operation Mode
8.000 - 9.999	80	Fundamental
10.000 - 15.999	60	Fundamental
16.000 - 50.000	50	Fundamental
40.000 - 80.000	70	3 rd Overtone

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





CERAMIC SMD MICRO MINIATURE MICROPROCESSOR CRY

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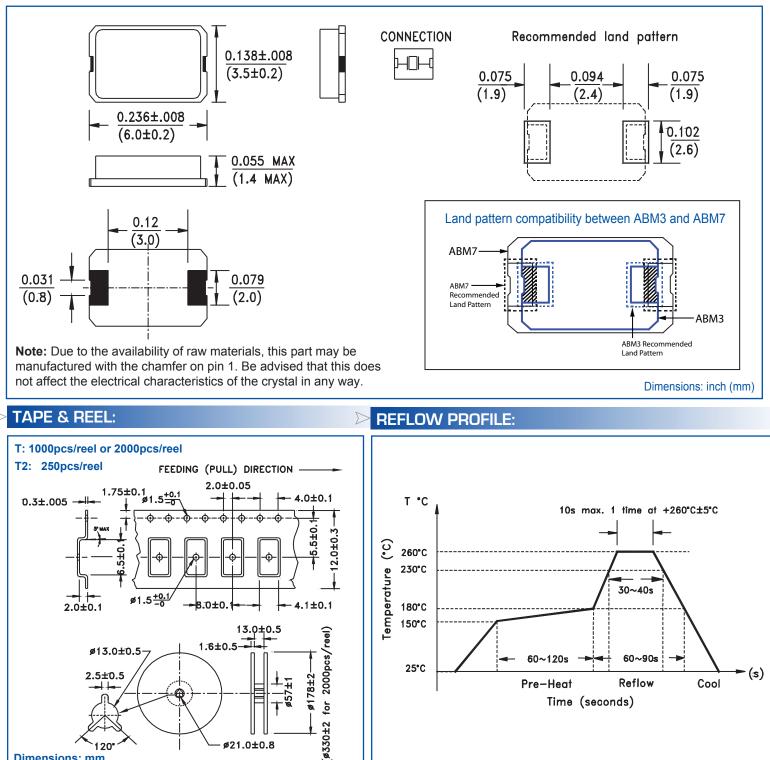
STAL

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

6.0 x 3.5 x 1.4mm

OUTLINE DRAWING:

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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.

ABRACON IS ISO9001:2008 CERTIFIED

Dimensions: mm

120



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