CERAMIC SMD MICRO MINIATURE MICROPROCESSOR CRYSTAL



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

6.0 x 3.5 x 1.4mm

Moisture Sensitivity Level (MSL) – This product is Hermetically Sealed and not Moisture Sensitive - MSL = N/A: Not Applicable

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

STANDARD SPECIFICATIONS:

> **APPLICATIONS**:

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

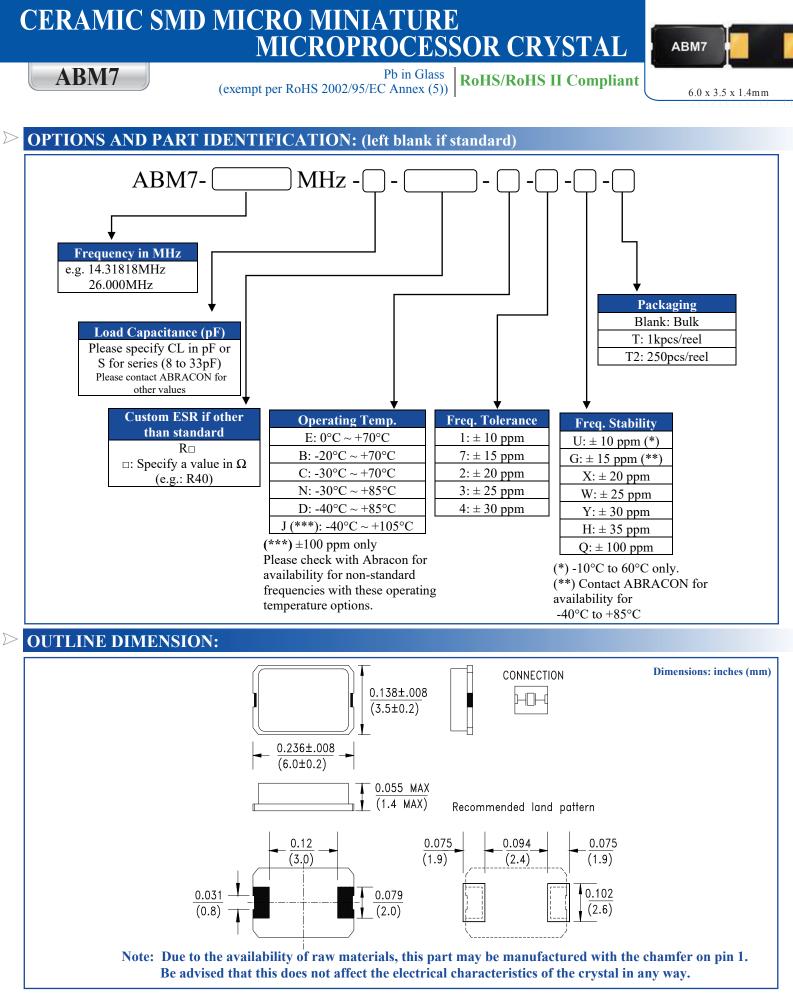
Parameters	Minimum	Typical	Maximum	Units	Notes
Frequency Range	8.000		48.000	MHz	Fundamental AT-cut
Operating Temperature	-10		+60	°C	See options
Storage Temperature	-55		+125	°C	
Frequency Tolerance @ +25°C	-50		+50	ppm	See options
Frequency Stability over the Operating Temperature (ref. to +25°C)	-50		+50	ppm	See options
Equivalent series resistance		See table 1 below	7	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.
8.000 - 9.999	100
10.000 - 11.999	80
12.000 - 15.999	60
16.000 - 48.000	50



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ABRACON IS ISO9001-2015 CERTIFIED

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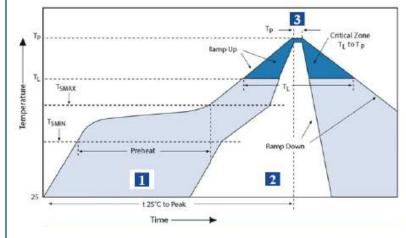
ABM7

ABM7

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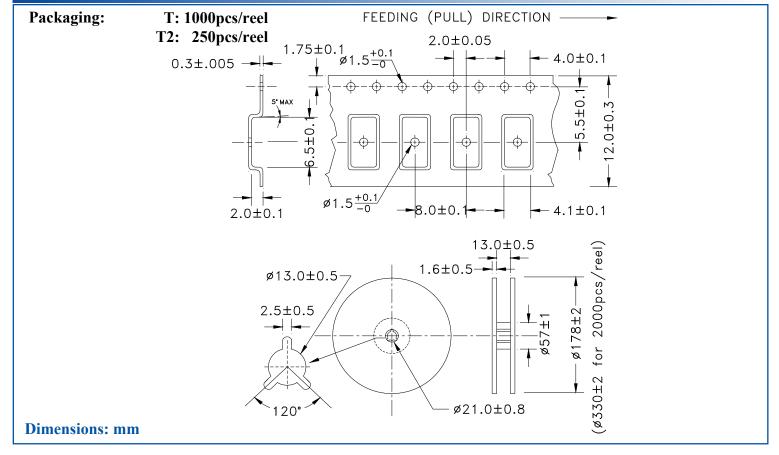
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REFLOW PROFILE:



one Description		Tenperature	Times	
Î.	Preheat	Tern ~ Temax 150°C ~ 180°C	60 - 120 sec.	
2	Reflow	TL 230°C	30 ~ 40 sec.	
3	Peak heat	T₽ 260°C ± 5°C	10 sec. MAX	

TAPE & REEL:



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.



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