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

> APPLICATIONS:

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

STANDARD SPECIFICATIONS:

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			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			ΜΩ	@ 100Vdc

Table 1

Frequency (MHz)	$ESR(\Omega)$ max.
8.000 - 9.999	100
10.000 - 11.999	80
12.000 - 15.999	60
16.000 - 48.000	50



ABRACON IS ISO9001-2015 CERTIFIED

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ABM7

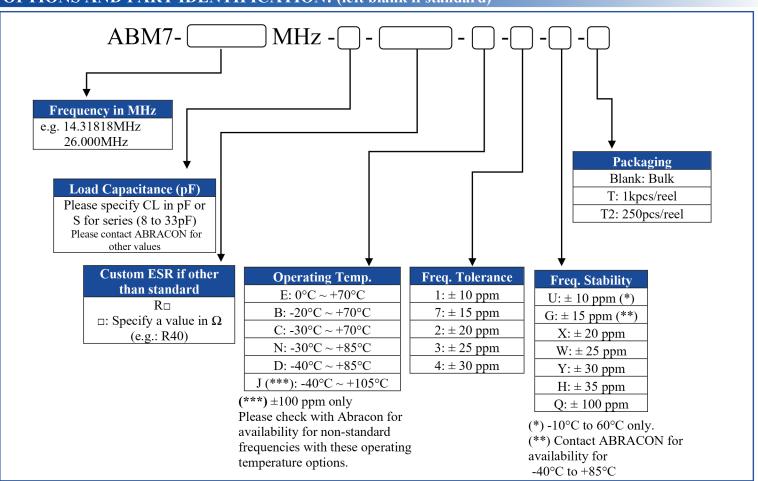
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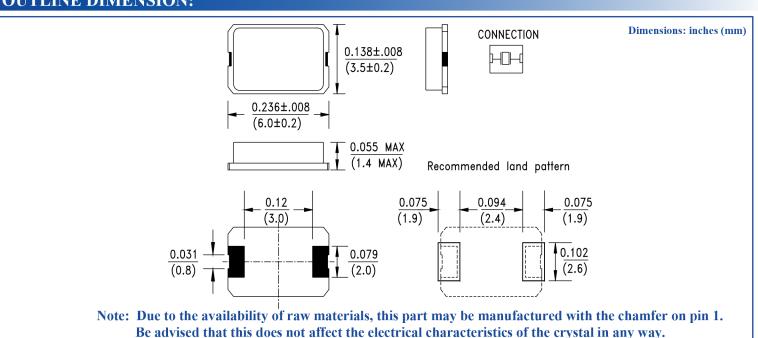


6.0 x 3.5 x 1.4mm

OPTIONS AND PART IDENTIFICATION: (left blank if standard)



OUTLINE DIMENSION:





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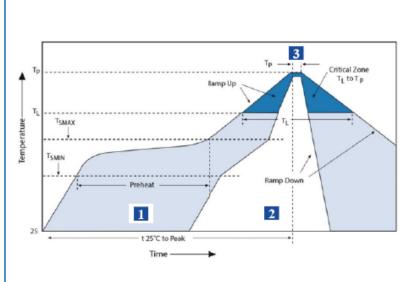
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REFLOW PROFILE:



Zone	Description	Temperature	Times	
	Preheat	Temen ~ Teman 150°C ~ 180°C	60 - 120 sec.	
2	Reflow	T _L 230°C	30 ~ 40 sec.	
3	Peak heat	T _P 260°C ± 5°C	10 sec. MAX	

► TAPE & REEL:

Packaging:

T: 1000pcs/reel FEEDING (PULL) DIRECTION T2: 250pcs/reel 2.0 ± 0.05 1.75±0.1 1 ø1.5+0.1 4.0±0.1 0.3±.005 5±0. $\emptyset 1.5 \frac{+0.1}{-0}$ -8.0±0.′ 4.1±0.1 2.0 ± 0.1 13.0±0.5 ø330±2 for 2000pcs/reel) 1.6±0.5 ø13.0±0.5 2.5 ± 0.5 ø21.0±0.8 120

Dimensions: mm

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