

ECN/PCN No.: 3694

For Manufacturer			
Product Description: Ceramic SMD Low Profile Crystal	Abracon Part Number / Part Series: ABM4AAIG	<input checked="" type="checkbox"/> Series <input type="checkbox"/> Part Number	
Affected Revision: A	New Revision: EOL	Application:	<input type="checkbox"/> Safety <input checked="" type="checkbox"/> Non-Safety
Prior to Change: ABM4AAIG series Rev. A			
After Change: EOL			
Cause/Reason for Change: Declining Sales, older technology.			
Change Plan			
Effective Date: 11/13/2020	Additional Remarks:		
Change Declaration:			
Issued Date: 10/13/2020	Issued By: <i>Stephanie Lopez</i>	Issued Department: Engineering	
Approval: <i>Thomas Culhane</i> Engineering Director	Approval: <i>Reuben Quintanilla</i> Quality Director	Approval: <i>Ying Huang</i> Purchasing Director	
For Abracon EOL only			
Last Time Buy (if applicable): Not Applicable		Alternate Part Number / Part Series: Not Available	
Additional Approval:	Additional Approval:	Additional Approval:	
Customer Approval (If Applicable)			
Qualification Status: <input type="checkbox"/> Approved <input type="checkbox"/> Not accepted <i>Note: It is considered approved if there is no feedback from the customer 1 month after ECN/PCN is released.</i>			
Customer Part Number:		Customer Project:	
Company Name:	Company Representative:	Representative Signature:	
Customer Remarks:			

Automotive Grade Ceramic SMD Low Profile Microprocessor Crystal



7.0 x 5.0 x 1.6mm

ABM4AAIG

Pb in glass
(exempt 7(c) - I per RoHS II 2011/65/EU Annex)

RoHS
Compliant

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

FEATURES:

- Low profile
- AEC-Q200 qualified
- Ceramic package hermetically glass sealed assures high precision and reliability.
- Extended temperature -40°C to +125°C for automotive/industrial applications
- Suitable for RoHS reflow profile

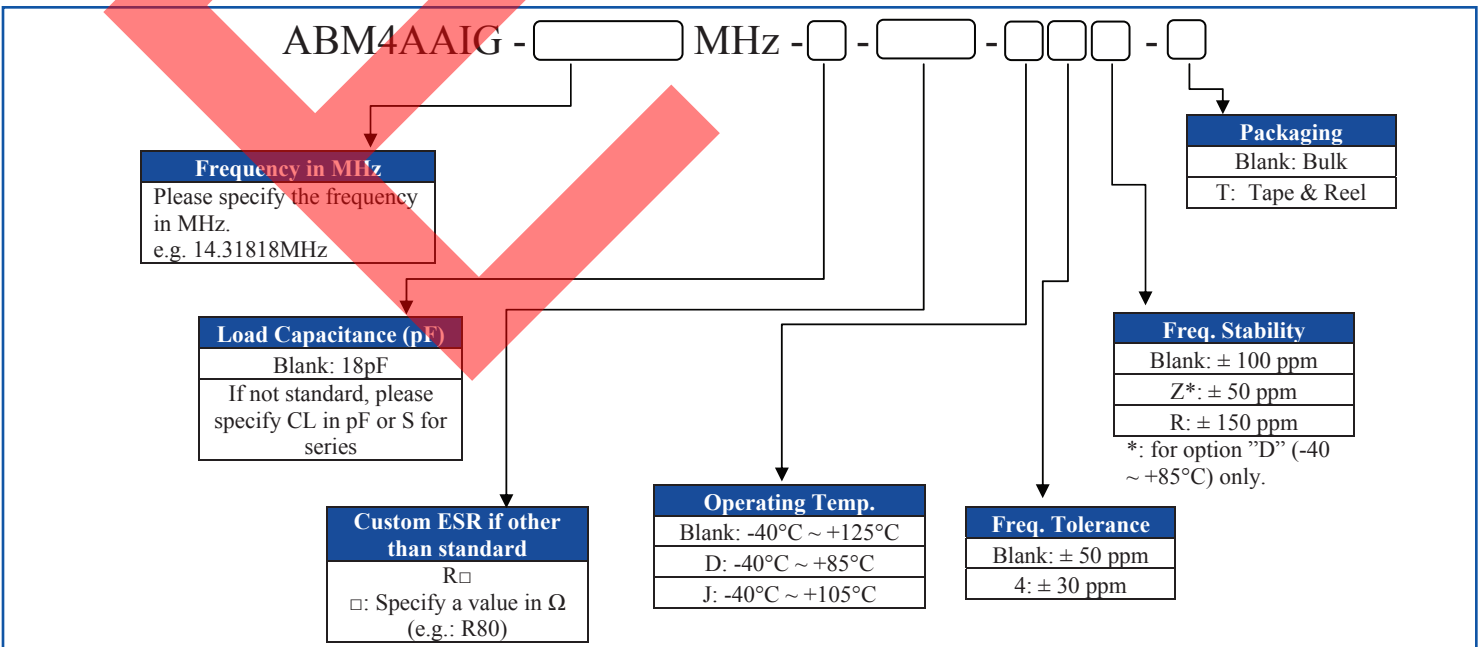
APPLICATIONS:

- Automotive electronics
- Industrial electronics

STANDARD SPECIFICATIONS:

Parameters	Minimum	Typical	Maximum	Units	Notes
Frequency Range	6.000		25.000	MHz	
Operation Mode	Fundamental AT-cut				
Operating Temperature	-40		+125	°C	See options
Storage Temperature	-40		+125	°C	
Frequency Tolerance @+25°C	-50		+50	ppm	See options
Frequency Stability over the Operating Temperature (ref. to +25°C)	-100		+100	ppm	See options
Equivalent series resistance (R1)			300	Ω	6.000~ 7.999MHz
			200		8.000~ 9.999MHz
			100		10.000~ 25.000MHz
Shunt capacitance (C0)			5	pF	
Load capacitance (CL)		18		pF	Standard (See options if other than STD)
Drive Level		10	100	μW	
Aging	-5		+5	ppm	@25°C±3°C First year
Insulation Resistance	500			MΩ	@ 100Vdc ± 15V

OPTIONS AND PART IDENTIFICATION:



Automotive Grade Ceramic SMD Low Profile Microprocessor Crystal



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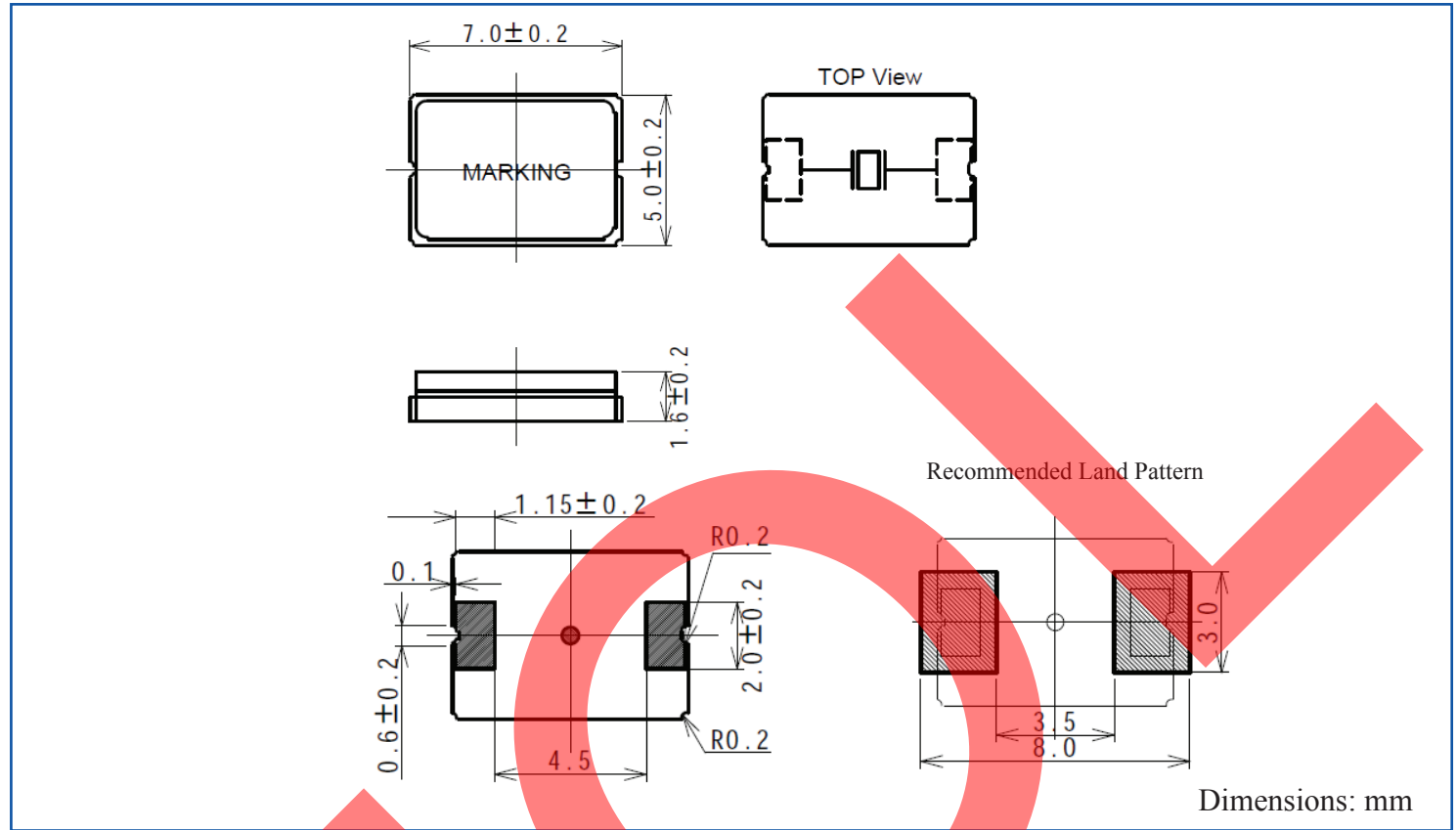
7.0 x 5.0 x 1.6mm

ABM4AAIG

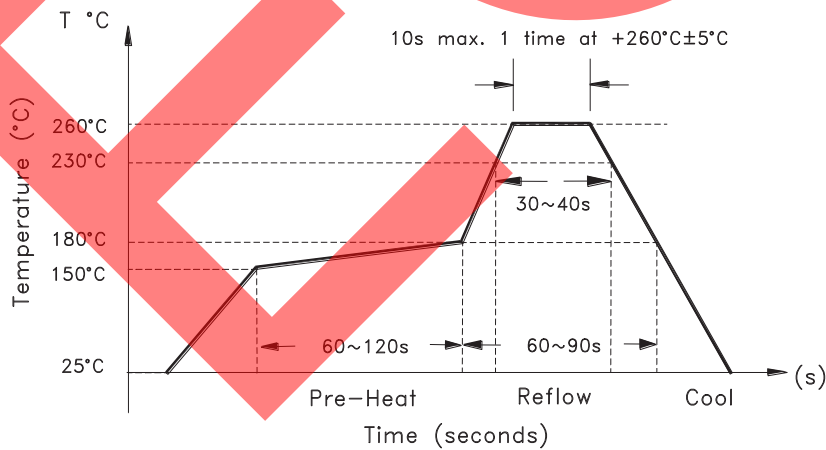
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OUTLINE DIMENSIONS:



REFLOW PROFILE:



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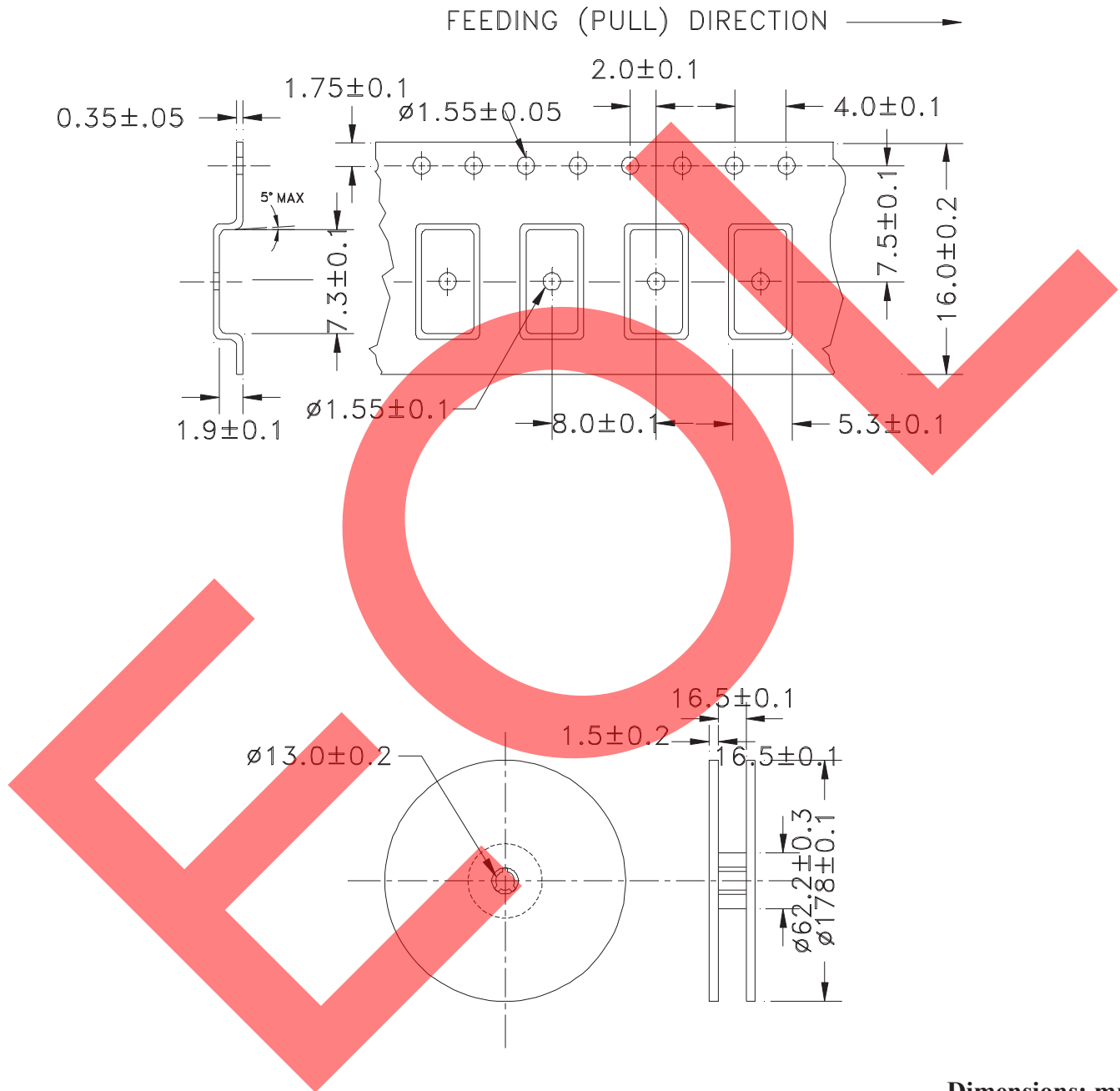
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TAPE & REEL:

Packaging: 1000pcs/reel

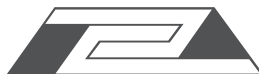


Dimensions: mm

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ABRACON IS
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CERTIFIED

Member of
AIAG
Automotive Industry Action Group



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