

# CERAMIC SMD CRYSTAL

## ABM3C

RoHS/RoHS II Compliant



5.0 x 3.2 x 1.3mm

Moisture Sensitivity Level – MSL – N/A (The ABM3C Series is a Hermetically Sealed device and not moisture sensitive)

### FEATURES:

- Low height; suitable for thin equipment.
- New Seam-sealed package available (code “C”)
- Tight tolerance and stability available.
- Suitable for RoHS compliant reflow profile

### APPLICATIONS:

- Automotive applications
- High density applications.
- Modems, communication and test equipment.
- PMCIA, Wireless applications

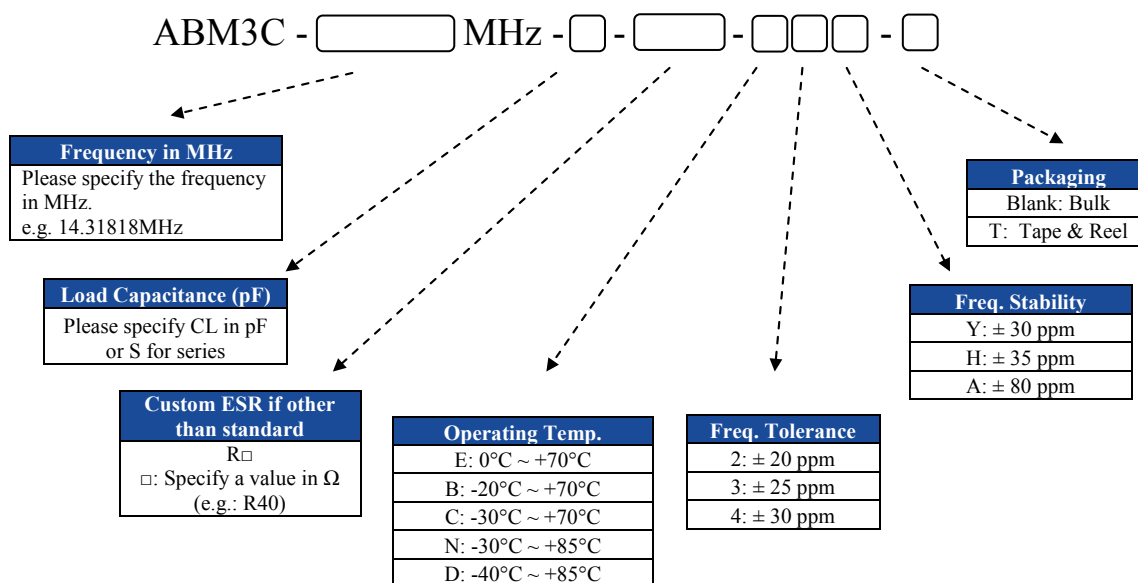
### STANDARD SPECIFICATIONS:

Parameters	Minimum	Typical	Maximum	Units	Notes
Frequency Range	10.000		50.000	MHz	Fundamental
Operation Mode	Fundamental				
Operating Temperature	-10		+70	°C	See options
Storage Temperature	-40		+90	°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 (R1)			60	$\Omega$	10.000 – 15.999MHz
			50		16.000 – 50.000MHz
Shunt capacitance (C0)			7	pF	
Load capacitance (CL)		18		pF	Standard (See options if other than STD)
Drive Level		10	100	$\mu$ W	
Aging	-5		+5	ppm	@25°C±3°C First year
Insulation Resistance	500			M $\Omega$	@ 100Vdc ± 15V

ABM3C Series products with the Date Code/Traceability Code marking ending in “X” are Glass-Sealed and the following RoHS Exemption applies: Pb in Glass, exemption 7C-I per RoHS II Directive 2011/65/EU Annex.

ABM3C Series products with the Date Code/Traceability Code marking ending in “C” are Seam-Sealed and are Pb-Free.

### OPTIONS & PART IDENTIFICATION: (Left blank if standard)



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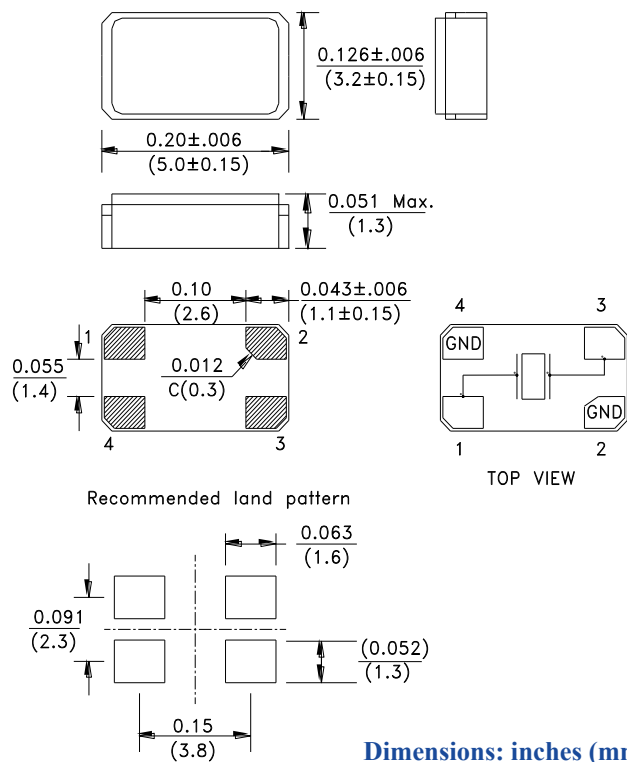
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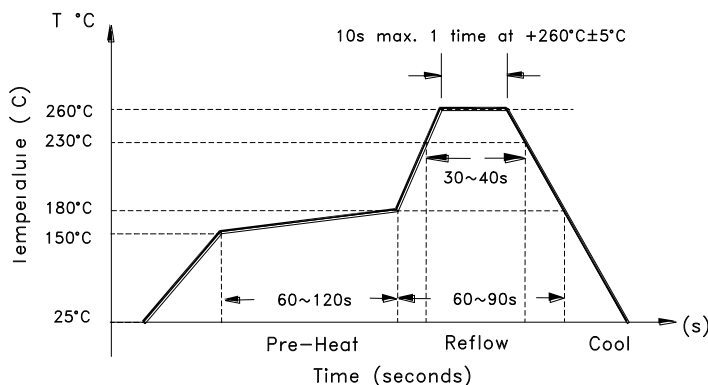


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## OUTLINE DRAWING:

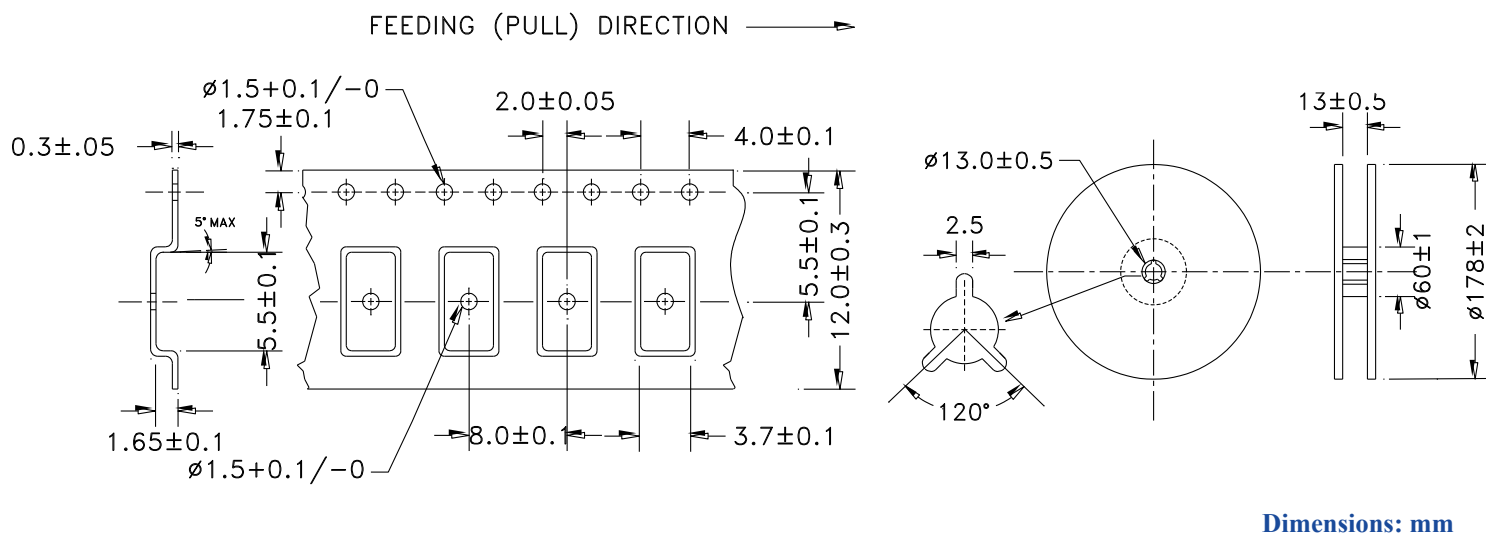


## REFLOW PROFILE:



## TAPE & REEL:

1000pcs/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.

ABRACON IS  
ISO9001:2008  
CERTIFIED



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