

CERAMIC SMD CRYSTAL

ABM3C

RoHS/RoHS II Compliant



5.0 x 3.2 x 1.3mm

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" and "F" are Seam-Sealed and are Pb-Free.

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

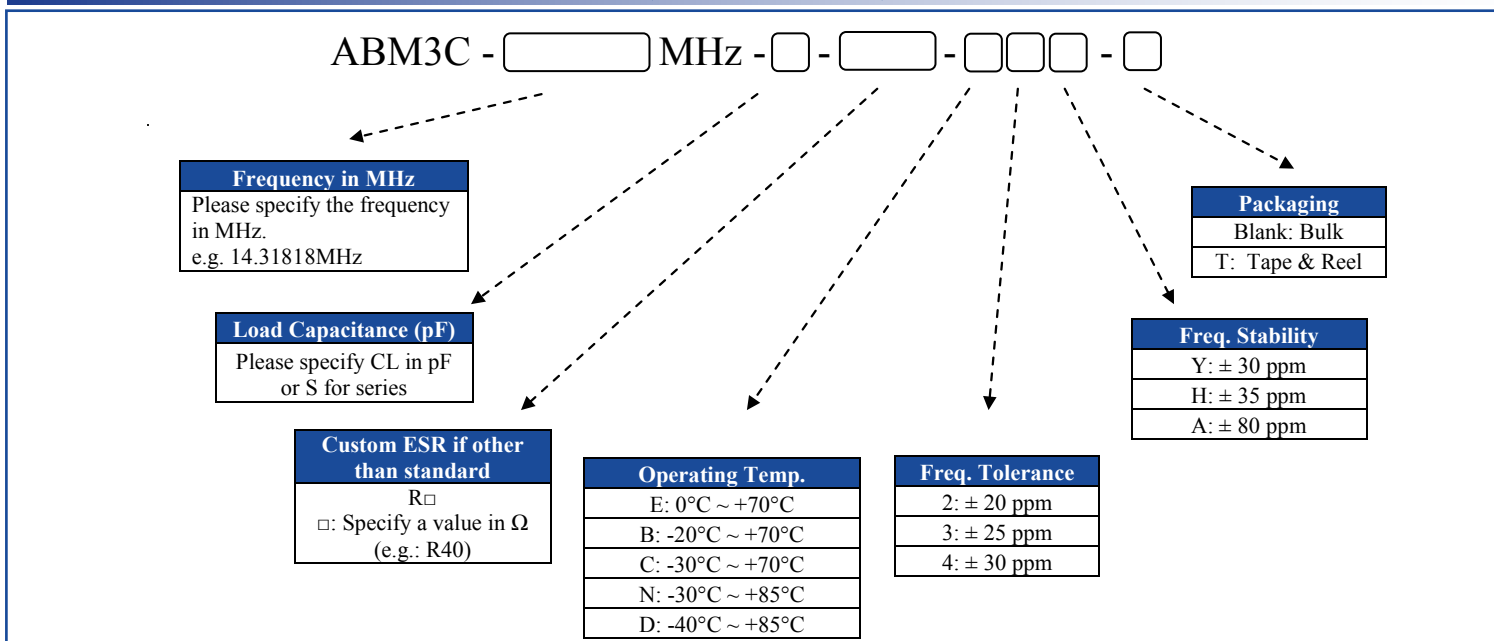
APPLICATIONS:

- 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	Ω	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	μW	
Aging	-5		+5	ppm	@25°C±3°C First year
Insulation Resistance	500			MΩ	@ 100Vdc ± 15V

OPTIONS & PART IDENTIFICATION: (Left blank if standard)



CERAMIC SMD CRYSTAL

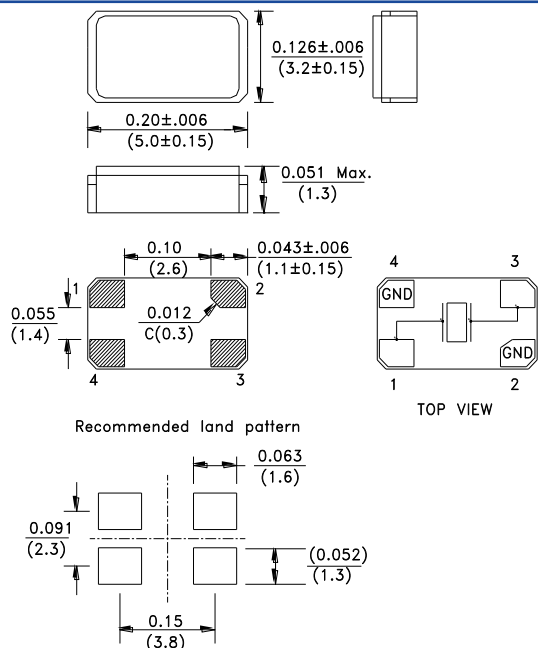
ABM3C

RoHS/RoHS II Compliant



5.0 x 3.2 x 1.3mm

OUTLINE DRAWING:

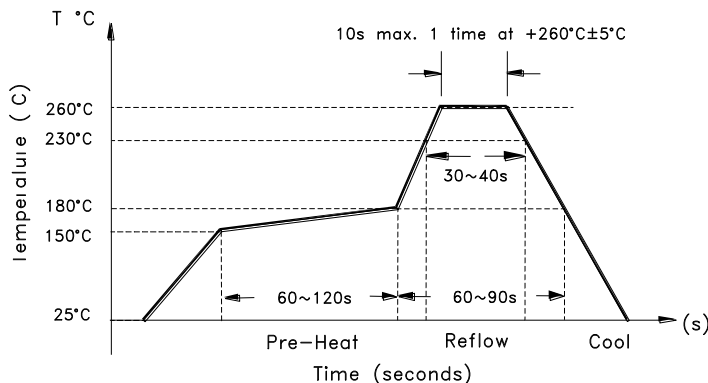


Sealing Method :

Glass Sealing for parts with Traceability Code ending in "X"
Seam Sealing for parts with Traceability Code ending in "C" and "F"

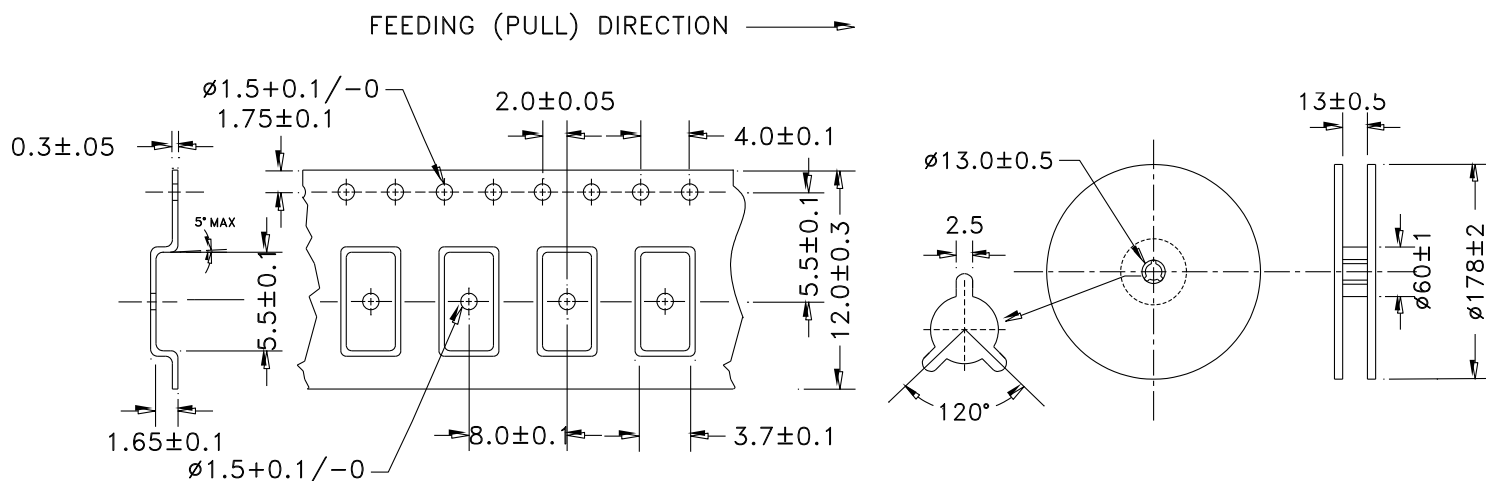
Dimensions: inches (mm)

REFLOW PROFILE:



TAPE & REEL:

1000pcs/reel



Dimensions: mm

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



Visit www.abracon.com for Terms & Conditions of Sale Revised: 07.31.14

30332 Esperanza, Rancho Santa Margarita, California 92688

tel 949-546-8000 | fax 949-546-8001 | www.abracon.com

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

ABRACON:

[ABM3C-10.000MHZ-D4Y-T](#) [ABM3C-11.0592MHZ-D4Y-T](#) [ABM3C-12.000MHZ-D4Y-T](#) [ABM3C-12.288MHZ-D4Y-T](#)
[ABM3C-13.000MHZ-D4Y-T](#) [ABM3C-13.560MHZ-D4Y-T](#) [ABM3C-14.31818MHZ-D4Y-T](#) [ABM3C-14.7456MHZ-D4Y-T](#)
[ABM3C-15.000MHZ-D4Y-T](#) [ABM3C-16.000MHZ-D4Y-T](#) [ABM3C-16.384MHZ-D4Y-T](#) [ABM3C-18.432MHZ-D4Y-T](#)
[ABM3C-19.6608MHZ-D4Y-T](#) [ABM3C-20.000MHZ-D4Y-T](#) [ABM3C-22.1184MHZ-D4Y-T](#) [ABM3C-24.000MHZ-D4Y-T](#)
[ABM3C-24.576MHZ-D4Y-T](#) [ABM3C-25.000MHZ-D4Y-T](#) [ABM3C-26.000MHZ-D4Y-T](#) [ABM3C-27.000MHZ-D4Y-T](#)
[ABM3C-29.4912MHZ-D4Y-T](#) [ABM3C-10.000MHZ-J4-T](#) [ABM3C-11.0592MHZ-J4-T](#) [ABM3C-12.000MHZ-J4-T](#) [ABM3C-](#)
[12.288MHZ-J4-T](#) [ABM3C-13.000MHZ-J4-T](#) [ABM3C-13.560MHZ-J4-T](#) [ABM3C-14.31818MHZ-J4-T](#) [ABM3C-](#)
[14.7456MHZ-J4-T](#) [ABM3C-15.000MHZ-J4-T](#) [ABM3C-16.000MHZ-J4-T](#) [ABM3C-16.384MHZ-J4-T](#) [ABM3C-](#)
[18.432MHZ-J4-T](#) [ABM3C-19.6608MHZ-J4-T](#) [ABM3C-20.000MHZ-J4-T](#) [ABM3C-22.1184MHZ-J4-T](#) [ABM3C-](#)
[24.000MHZ-J4-T](#) [ABM3C-24.576MHZ-J4-T](#) [ABM3C-25.000MHZ-J4-T](#) [ABM3C-26.000MHZ-J4-T](#) [ABM3C-27.000MHZ-](#)
[J4-T](#) [ABM3C-29.4912MHZ-J4-T](#) [ABM3C-10.000MHZ-KV-T](#) [ABM3C-11.0592MHZ-KV-T](#) [ABM3C-12.000MHZ-KV-T](#)
[ABM3C-12.288MHZ-KV-T](#) [ABM3C-13.000MHZ-KV-T](#) [ABM3C-13.560MHZ-KV-T](#) [ABM3C-14.31818MHZ-KV-T](#)
[ABM3C-14.7456MHZ-KV-T](#) [ABM3C-15.000MHZ-KV-T](#) [ABM3C-16.000MHZ-KV-T](#) [ABM3C-16.384MHZ-KV-T](#) [ABM3C-](#)
[18.432MHZ-KV-T](#) [ABM3C-19.6608MHZ-KV-T](#) [ABM3C-20.000MHZ-KV-T](#) [ABM3C-22.1184MHZ-KV-T](#) [ABM3C-](#)
[24.000MHZ-KV-T](#) [ABM3C-24.576MHZ-KV-T](#) [ABM3C-25.000MHZ-KV-T](#) [ABM3C-26.000MHZ-KV-T](#) [ABM3C-](#)
[27.000MHZ-KV-T](#) [ABM3C-29.4912MHZ-KV-T](#) [ABM3C-30.000MHZ-D4Y-T](#) [ABM3C-32.000MHZ-D4Y-T](#) [ABM3C-](#)
[33.000MHZ-D4Y-T](#) [ABM3C-36.000MHZ-D4Y-T](#) [ABM3C-40.000MHZ-D4Y-T](#) [ABM3C-48.000MHZ-D4Y-T](#) [ABM3C-](#)
[30.000MHZ-J4-T](#) [ABM3C-32.000MHZ-J4-T](#) [ABM3C-33.000MHZ-J4-T](#) [ABM3C-36.000MHZ-J4-T](#) [ABM3C-40.000MHZ-](#)
[J4-T](#) [ABM3C-48.000MHZ-J4-T](#) [ABM3C-30.000MHZ-KV-T](#) [ABM3C-32.000MHZ-KV-T](#) [ABM3C-33.000MHZ-KV-T](#)
[ABM3C-36.000MHZ-KV-T](#) [ABM3C-40.000MHZ-KV-T](#) [ABM3C-48.000MHZ-KV-T](#)