

CERAMIC SMD CRYSTAL



RoHS/RoHS II Compliant

5.0 x 3.2 x 1.3mm

ABM3C

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

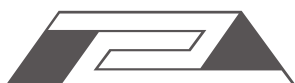
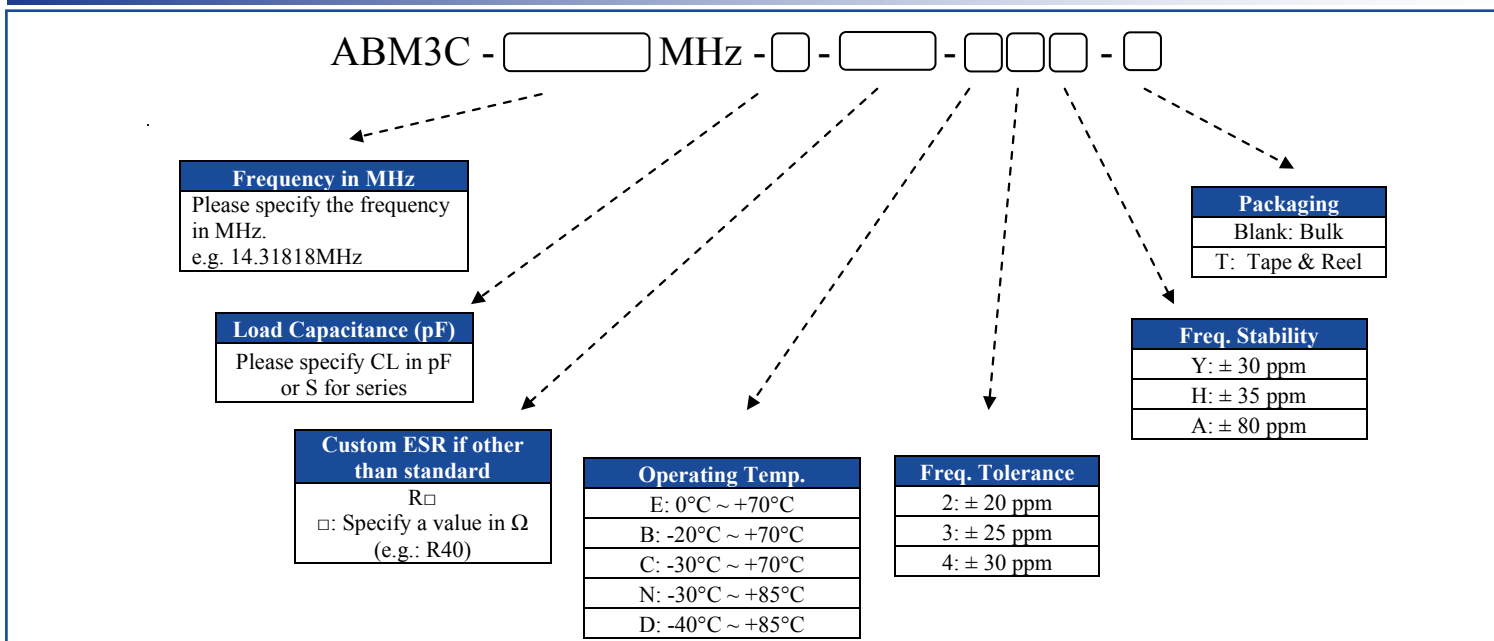
APPLICATIONS:

- High density applications.
- Modems, communication and test equipment.
- PCMCIA, 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)



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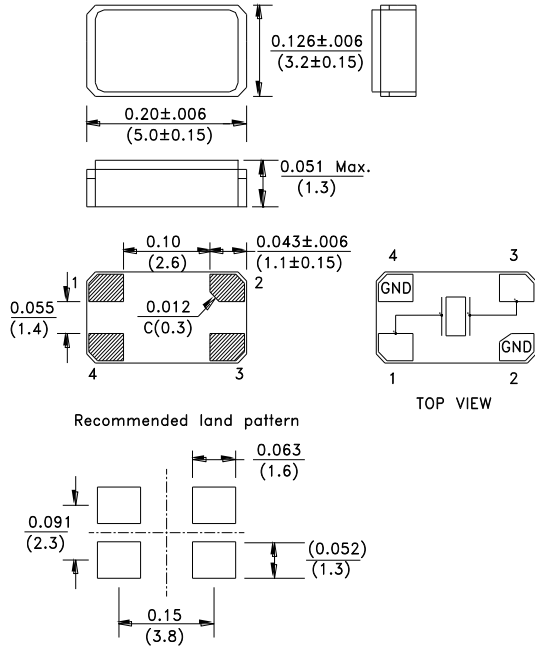
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OUTLINE DRAWING:

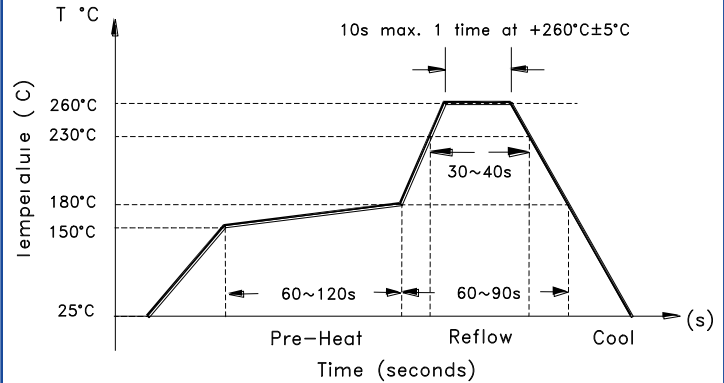


Sealing Method :

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

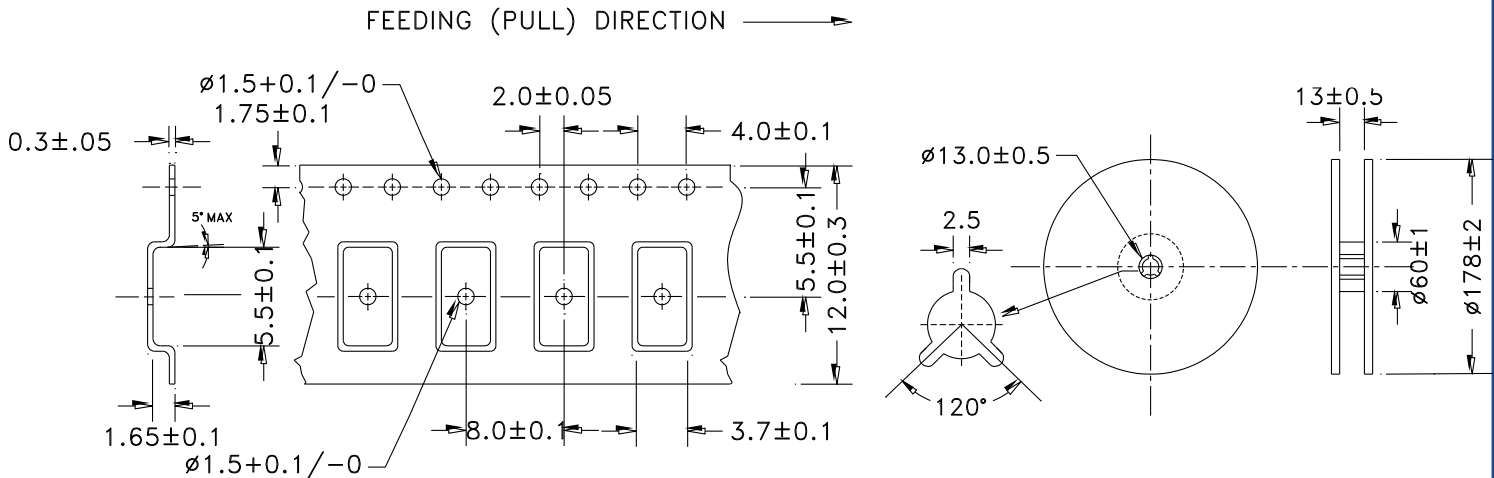
Dimensions: inches (mm)

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



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 CORPORATION

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