

ULTRA MINIATURE CERAMIC GLASS SEALED SMD CRYSTAL



3.2 x 2.5 x 1.0mm

ABM8G

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

RoHS/RoHS II Compliant

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

➤ **FEATURES:**

- Low in height; suitable for thin equipment
- Glass sealed package assures high reliability and high temperature operation
- Tight tolerance and stability available
- IR reflow capable
- Low cost version of ABM8 crystal

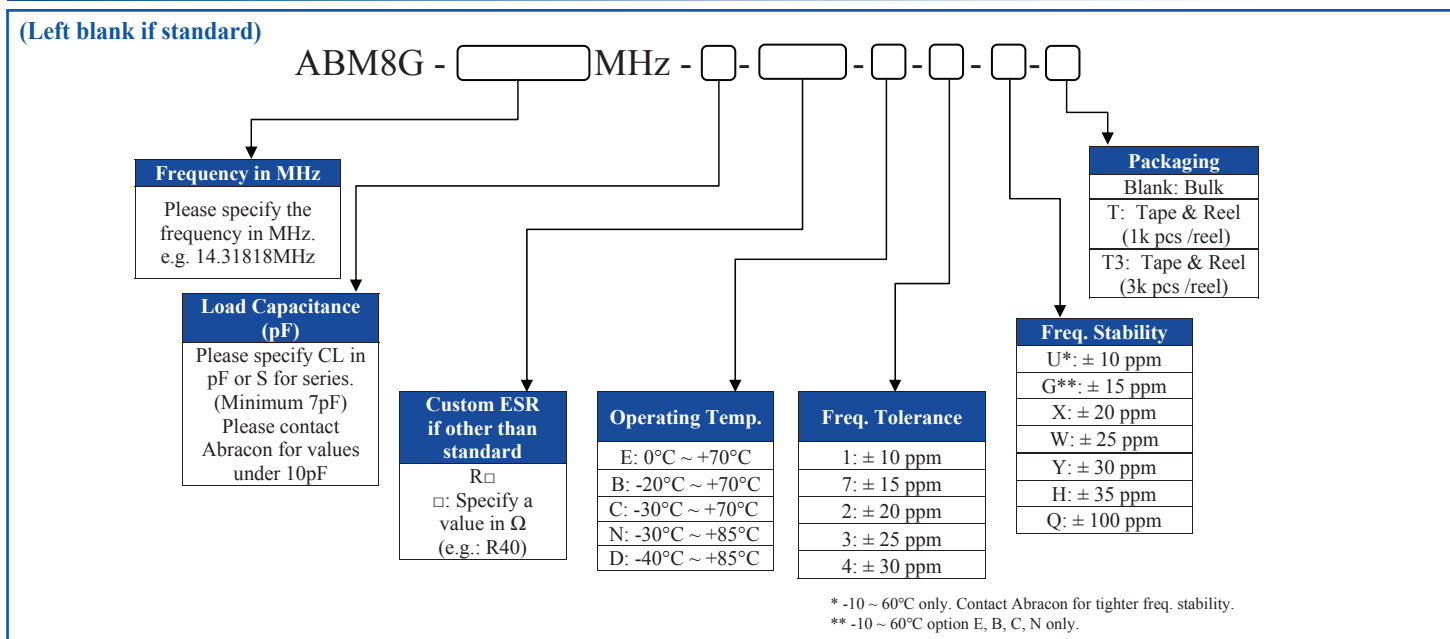
➤ **APPLICATIONS:**

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

➤ **STANDARD SPECIFICATIONS:**

| Parameters | Minimum | Typical | Maximum | Units | Notes |
|--|-------------|---------|---------|-------|-----------------------|
| Frequency Range | 12.000 | | 50.000 | MHz | |
| Operation Mode | Fundamental | | | | |
| Operating Temperature | -10 | | +60 | °C | See options |
| Storage Temperature | -40 | | +85 | °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 | | | 120 | Ω | 12.000MHz |
| | | | 80 | | 12.001MHz ~ 20.000MHz |
| | | | 60 | | 20.001MHz ~ 28.000MHz |
| | | | 50 | | 28.001MHz ~ 50.000MHz |
| Shunt capacitance (C0) | | | 5.0 | pF | |
| Load capacitance (CL) | 10 | | | pF | See options |
| Drive Level | | 10 | 100 | μW | |
| Aging@25°C±3°C | | | ±3 | ppm | First year |
| Insulation Resistance | 500 | | | M Ω | @ 100Vdc ± 15V |

➤ **OPTIONS & PART IDENTIFICATION:**



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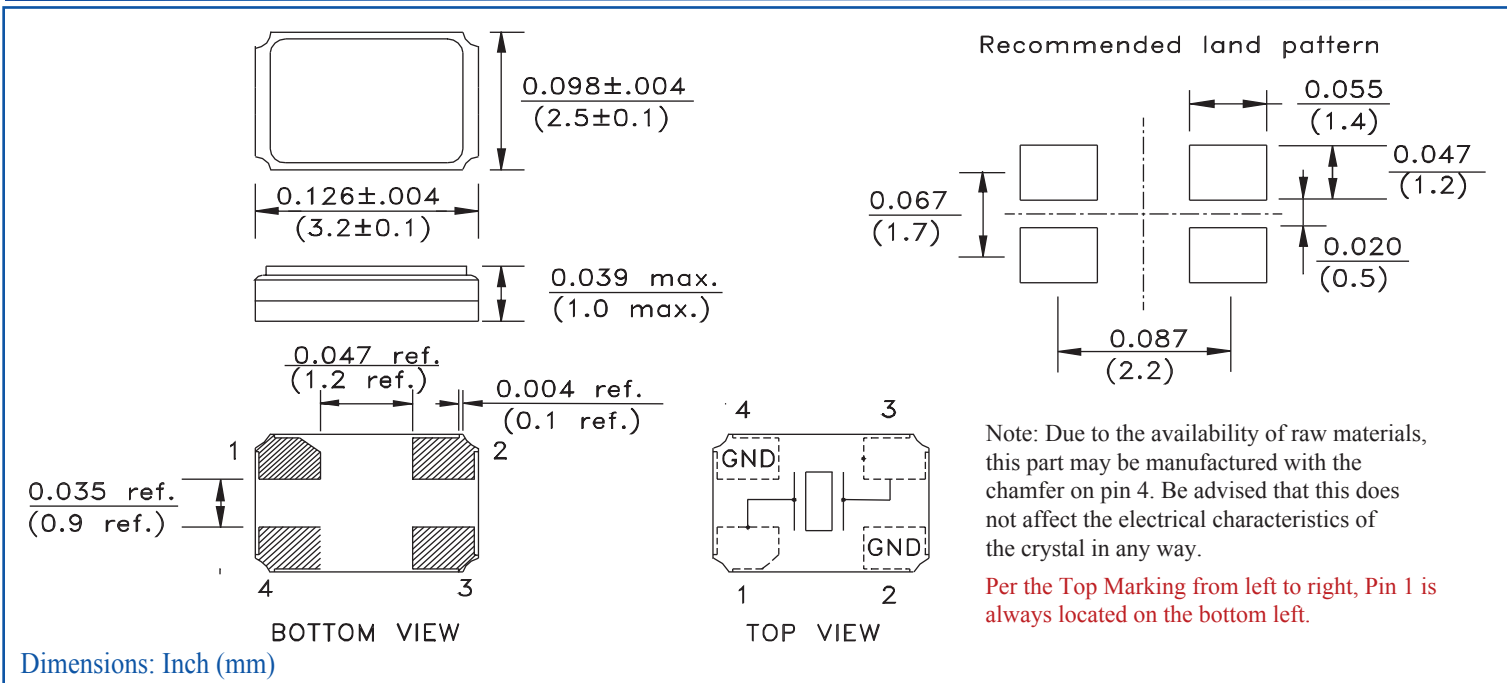
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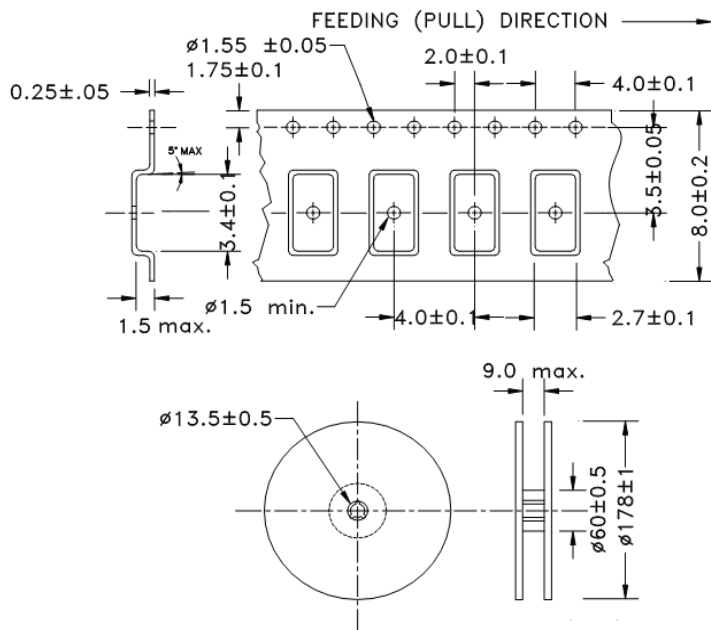
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OUTLINE DRAWING:

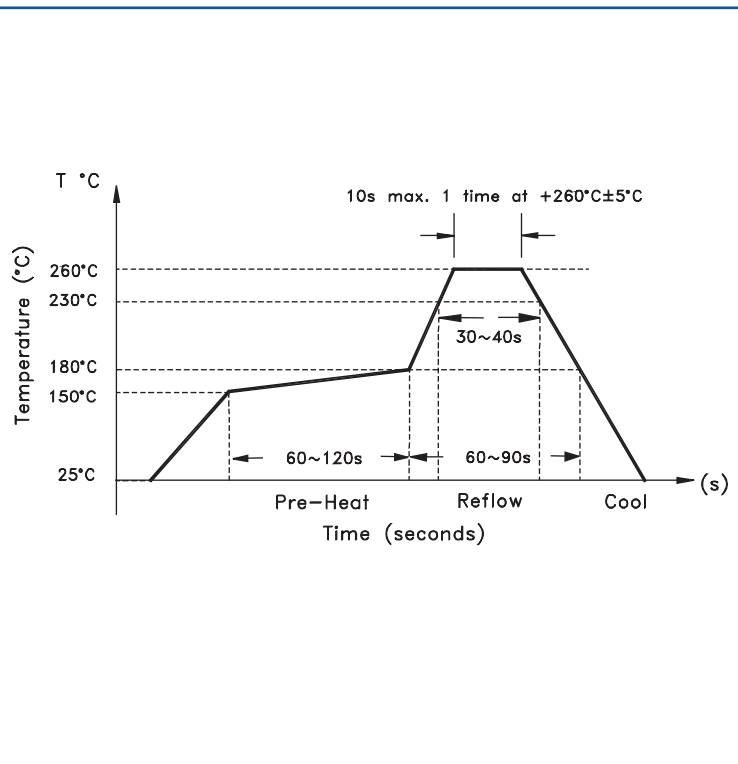


TAPE & REEL:

Tape and reel (1,000pcs/reel)
Tape and reel (3,000pcs/reel)



REFLOW PROFILE:



Need a test socket for the ABM8G Series? To view compatible **PRECISION TEST & BURN-IN SOCKETS** for these parts, [click here](#).

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.

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