

ULTRA MINIATURE CERAMIC GLASS SEALED SMD CRYSTAL

ABM8G

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

RoHS/RoHS II Compliant



3.2 x 2.5 x 1.0mm

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:

(Left blank if standard)



* -10 ~ 60°C only. Contact Abracon for tighter freq. stability.

** -10 ~ 60°C option E, B, C, N only.

ABRACON IS
ISO 9001 : 2008
CERTIFIED



2 Faraday, Suite# B | Irvine | CA 92618 **Revised: 08.13.15**

Ph. 949.546.8000 | Fax. 949.546.8001

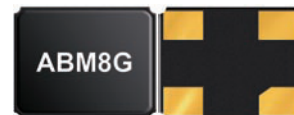
Visit www.abracon.com for Terms and Conditions of Sale

ULTRA MINIATURE CERAMIC GLASS SEALED SMD CRYSTAL

ABM8G

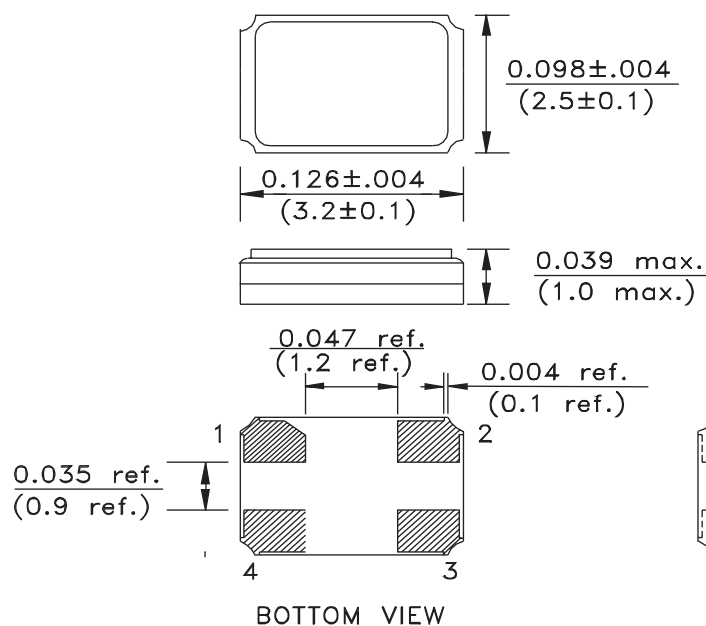
Pb in glass exemption 7 (c)-I per
RoHS II 2011/65/EU Annex

RoHS/RoHS II Compliant

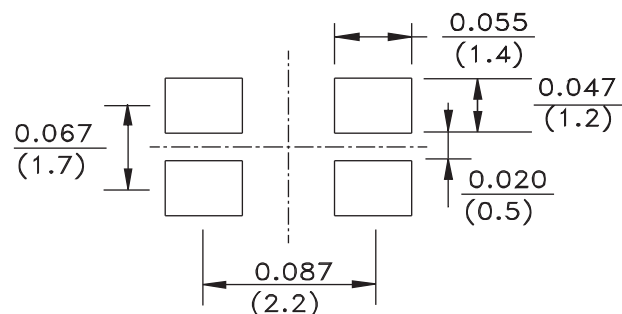


3.2 x 2.5 x 1.0mm

OUTLINE DRAWING:



Recommended land pattern

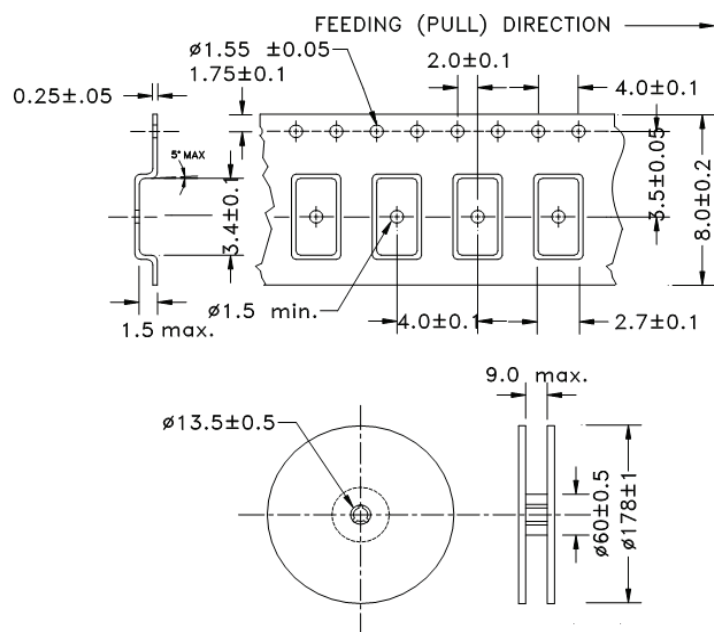


Note: Due to the availability of raw materials, this part may be manufactured with the chamfer on pin 4. Be advised that this does not affect the electrical characteristics of the crystal in any way.

Per the Top Marking from left to right, Pin 1 is always located on the bottom left.

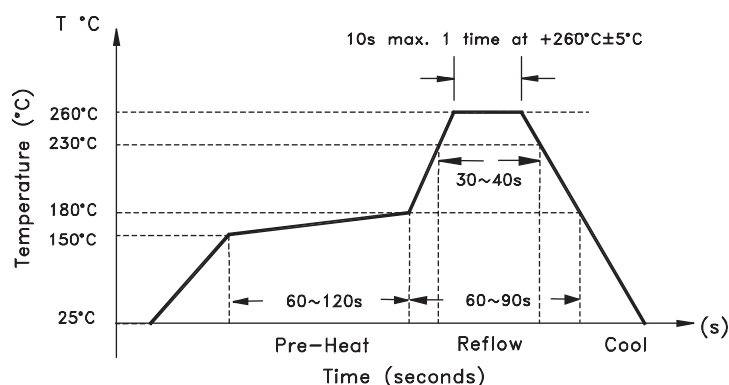
TAPE & REEL:

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



Dimensions: mm

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.

ABRACON IS
ISO 9001 : 2008
CERTIFIED

ABRACON
The Power of Linking Together

2 Faraday, Suite# B | Irvine | CA 92618 **Revised: 08.13.15**
 Ph. 949.546.8000 | Fax. 949.546.8001
 Visit www.abracon.com for Terms and Conditions of Sale