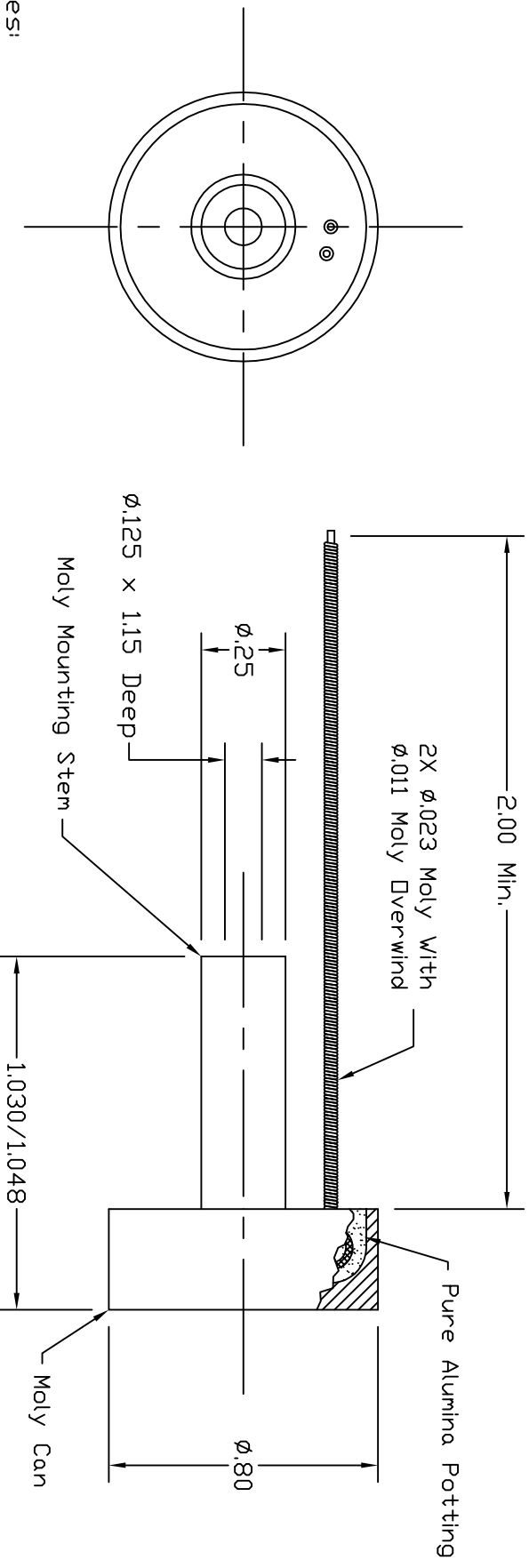


Dash # Next Assembly
- 105031

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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	Added overall length tolerance and dimension and grounded lead.	12/11/08	MC
B	Overall length was 1.045 +/- .003.	4/6/10	MC
C	Changed to isolated filament.	6/29/10	MC
D	Added note 2.	9/29/10	MC
E	Added note 3, .125 was .11.	3/31/11	MC



- Notes:
- Estimated operation:
3.5V, 5.8A @ 900°C
4.5V, 6.6A @ 1000°C
5.6V, 7.5A @ 1100°C
6.5V, 8.0A @ 1200°C
 - The heater face will be machined at component stage just prior to furnace processing per MP-250, with cutting fluid to avoid tearing of the surface. The surface will be protected through processing to avoid damage.
 - This design has been frozen by the customer. Any changes must be preapproved by the customer.

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
XXX = ±.005 XX = ±.020
XXXX = ±.005
FINISH 63 MICRONDUNCHEES
ANGLES 0 DEGREE ±30 MINUTES
EDGES AND CORNERS .005 R MAX

MATERIAL
-

DD NOT SCALE DRAWING

Qty.	Part #	Description	Item #
1	104081	Ø.800 1200°C UHV Heater	1

HeatWave Labs, Inc.
195 Aviation Way, Suite 100 (831) 722-9081
Watsonville, Ca. 95076 Fax: (831) 722-5491
Website: www.cathode.com

BY	DATE
ENGR	2/21/07

Ø.800 1200°C UHV Heater

SIZE	Cage Code	DWG. NO.	REV
A	1YAN4	104080	E

THIRD ANGLE PROJECTION SCALE: 2X SHEET: 1/1