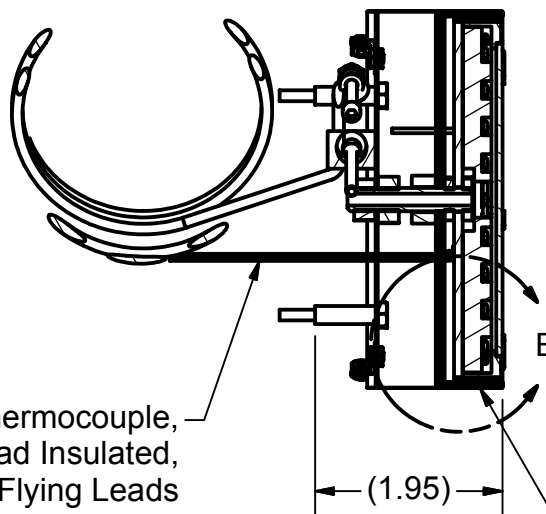
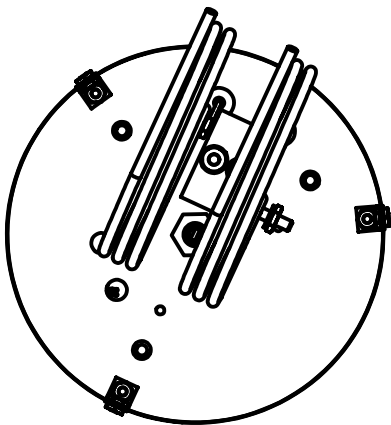




PARTS LIST

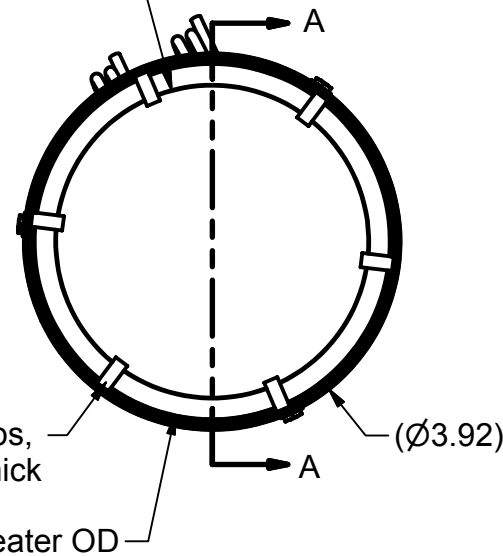
| ITEM | QTY | PART NUMBER | DESCRIPTION |
|------|-----|-------------|---|
| 1 | 1 | 105758 | 3.0 Dia., 1200 ° UHV Heater Assembly, BOM |



Type C Thermocouple,
Alumina Bead Insulated,
12" Flying Leads

SECTION A-A
SCALE 1 / 2

Ø3.250 PBN Disk



Ta Tabs,
.020 Thick

Ø3.70 Heater OD

Customer Supplied Outer Housing,
Rear Flange & Standoffs

Notes:

- Estimated operation:
9.7V, 21.4A @ 800°C
18.1V, 30.9A @ 1000°C
21.9V, 40.7A @ 1200°C

| | |
|------------------|-----------|
| DRAWN mcurtis | 10/2/2009 |
| CHECKED | |
| QA | |
| MFG | |
| APPROVED | |
| Material: | |

| | | | |
|----------------------------|---------------------|---|-----|
| <i>HeatWave Labs, Inc.</i> | | 195 Aviation Way, Suite 100 P: 831-722-9081 Watsonville, CA 95076 F: 831-722-5491 www.cathode.com | |
| | | 3.0 Dia., 1200°C UHV Heater Assembly | |
| SIZE A | Cage Code: 1YAN4 | DWG NO 105638 | REV |
| SCALE 1/2 | SHEET 1 OF 2 | | |

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Nut to Secure Screw to Block, Minimal Pressure

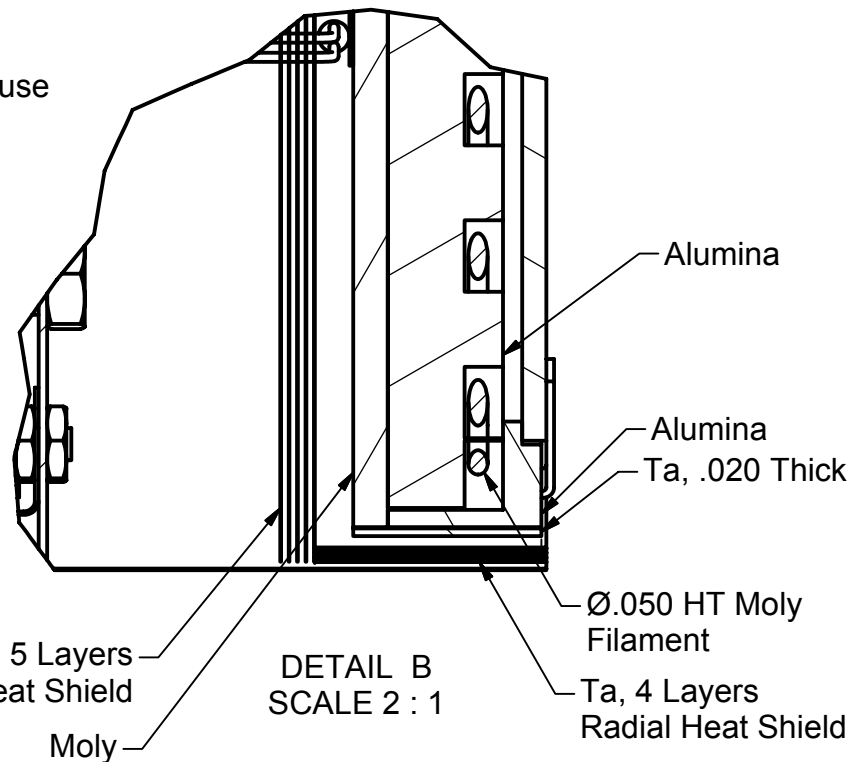
Double Nut to Secure Wire Connections

C'Bore to House Screw Head

Terminal Block Assembly
Scale: 1x

2X 10 Gauge x 18" Long Stranded Cu Wire,
Insulated with 101471-08, Fish Spine Beads,
Also Supply 6" ASB-250156 with Shipment
For Customer use if needed

Macor Terminal Block,
Supplies Strain Relief,
Bolted to Ta Housing



| | |
|------------------|-----------|
| DRAWN mcurtis | 10/2/2009 |
| CHECKED | |
| QA | |
| MFG | |
| APPROVED | |
| | |

| | | | |
|----------------------------|------------------|---|--|
| <i>HeatWave Labs, Inc.</i> | | 195 Aviation Way, Suite 100 P: 831-722-9081 Watsonville, CA 95076 F: 831-722-5491 www.cathode.com | |
| | | 3.0 Dia., 1200°C UHV Heater Assembly | |
| SIZE A | DWG NO 105638 | REV | |
| SCALE 1/2 | SHEET 2 OF 2 | | |

