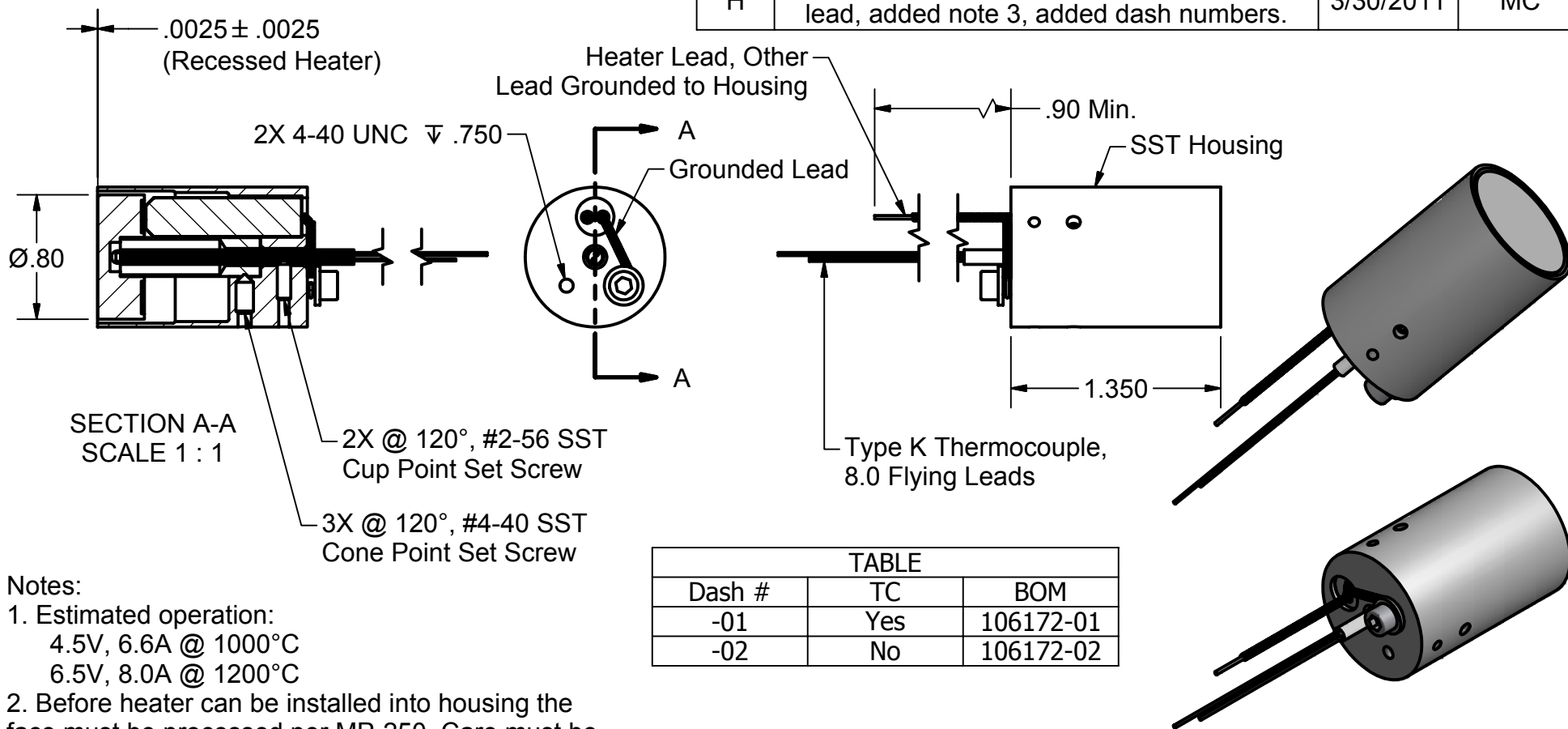


PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	See Table A	Ø.80 UHV Heater, BOM

REVISION HISTORY

REV	DESCRIPTION	DATE	APPROV
F	Isolated filament, shorten TC leads.	6/29/10	MC
G	Changed TC to new 106611, revision B.	2/17/11	MC
H	Changed TC to revision C, grounded one lead, added note 3, added dash numbers.	3/30/2011	MC



SECTION A-A
SCALE 1 : 1

2X 4-40 UNC ∇ .750

2X @ 120°, #2-56 SST
Cup Point Set Screw

3X @ 120°, #4-40 SST
Cone Point Set Screw

Heater Lead, Other
Lead Grounded to Housing

Grounded Lead

.90 Min.

SST Housing

1.350

Type K Thermocouple,
8.0 Flying Leads

TABLE		
Dash #	TC	BOM
-01	Yes	106172-01
-02	No	106172-02

Notes:

- Estimated operation:
4.5V, 6.6A @ 1000°C
6.5V, 8.0A @ 1200°C
- Before heater can be installed into housing the face must be processed per MP-250. Care must be taken not to mark or contaminate the surface after processing.
- This design has been frozen by the customer. Any changes must be preapproved by the customer.
- All assembly is done per MP-257.

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DRAWN mcurtis	3/30/2011
CHECKED	
QA	
MFG	
APPROVED	
Material:	
-	

HeatWave Labs, Inc.
195 Aviation Way, Suite 100 P: 831-722-9081
Watsonville, CA 95076 F: 831-722-5491
www.cathode.com

Ø.80 UHV Heater w/Shield Mount & TC

SIZE A	Cage Code: 1YAN4	DWG NO 105031	REV H
SCALE 1x	SHEET 1 OF 1		