

NOTES, UNLESS OTHERWISE SPECIFIED:

- DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994. ALL DIMENSIONS ARE IN INCHES. REFERENCE DIMENSIONS ARE SHOWN IN PARETHESES. NOT ALL HIDDEN LINES ARE SHOWN.
- THIS IS AN ULTRA-HIGH VACUUM (UHV) PART AND REQUIRES SPECIAL ATTENTION TO AVOID UHV CONTAMINATION. READ LBNL SPECIFICATION M773 BEFORE CLEANING.
- PROTECT FINISHED PART BY BAGGING OR SIMILAR METHOD TO PROTECT AND MAINTAIN CLEANLINESS DURING SHIPMENT AND STORAGE. TAKE CARE NOT TO DING, SCRATCH, DENT, OR OTHERWISE MARK ANY ANY MACHINED SURFACE.
- ALL FASTENERS MUST BE VENTED TO AVOID VIRTUAL LEAKS.
- ITEMS 1,2 AND 21 ARE TO BE BRAZED TOGETHER AND AS A UNIT IT IS INSERTED FROM THE TOP.

EXPLODED VIEW

ASSEMBLED VIEW

REV	AUTHOR	APPROVER	DATE	CHANGE DESCRIPTION
A	winger1	winger1	04-07-05	INITIAL REVISION

UNLESS OTHERWISE SPECIFIED: X ± . - . XX ± .02 . XXX ± . - - FRACTIONS: ± - / - - ANGLES: ± - . ° / INCH MACH. SURFS.: 125 ✓ 100 REF: ASME Y14.5M-1994, THREADS ARE CLASS 2 BREAK EDGES .016 MAX. ON MACHINED WORK REMOVE BURRS, WELD SPATTER & LOOSE SCALE	PROJECT NAME: Advanced Light Source UNIQUE NUMBER: AL-0013-1617 SCALE: 1:1 6 AL 4045 THIRD ANGLE PROJECTION
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REV	ITEM	PART NO.	DESCRIPTION
1	21	268763	SUPPLY/RETURN COOLING MANIFOLD, MIRROR
2	20	-	MINI CONFLAT, ROTATABLE, CLEARANCE HOLES
2	19	26A790	OPTIC COOLANT TUBE, TEFLON
2	18	26B876	FEED THRU BELLOW
1	17	-	TEFLON TUBE, 7/16 OD X .065 WALL X 15.56
1	16	-	TEFLON TUBE, 7/16 OD X .065 WALL X 17.53
1	15	26B711-4	COOLING TUBE WELDMENT, RETURN
1	14	26B711-3	COOLING TUBE WELDMENT, SUPPLY
1	13	26B733	COOLING MANIFOLD, RETURN
1	12	26B735	COOLING MANIFOLD, SUPPLY
1	11	26B727	WELD PLUG, COOLING MANIFOLDS
2	10	26B726	WELD CAP, COOLING MANIFOLDS
2	9	26A745	PIVOT CLAMP
1	8	26B750	SINEBAR SPACER
1	7	26B749	SINEBAR
-	6	-	INSTALLATION HARDWARE, MIRROR ADJUSTERS
3	5	26A963	MIRROR ADJUSTER ASSEMBLY
1	4	26B746	MIRROR MASK
1	3	26B739	CRADLE, 2.5", SST
1	2	-	MIRROR, 1", THICK
1	1	-	MIRROR, 1", THIN
1	1	-	DESCRIPTION

PROJECT NAME: Advanced Light Source		ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY UNIVERSITY OF CALIFORNIA	
UNIQUE NUMBER: AL-0013-1617		ALS - INSERTION DEVICE BEAMLINES	
SCALE: 1:1 6 AL 4045		BL 4.0.2 - MONOCHROMATOR	
THIRD ANGLE PROJECTION		MIRROR ASSEMBLY	
SHEET 1 OF 1		SIZE E DWG NO: 26B699	
REV B		REV B	