



- NOTES:
- THIS IS A ULTRA- HIGH VACUUM COMPONENT (UHV)
 - WHEN MACHINING VACUUM PARTS, USE OF SILICONE AND SULPHUR-BASED CUTTING FLUIDS IS PROHIBITED. USE ONE OF THE FOLLOWING:
A) CIMCOOL 5 STAR 49
B) TRIM SOL
 - ALL SURFACES MUST BE MACHINED FOR CLEAN UP
 - TUNGSTEN ALLOY OF 95% TUNGSTEN OR MORE WITH REMAINDER OF NICKEL AND IRON MIL-T-21014D, CLASS3, UHV GRADE
 - FINISHING: WHEN MACHINING VACUUM PARTS USE OF ABRASIVE PAPER OR SANDING DISCS, BUFFING OR POLISHING COMPOUNDS, OR RESIN-BONDED GRINDING WHEELS IS PROHIBITED
 - CLEANING: THE COMPONENT MUST BE CLEANED SUCH THAT A UHV PRESSURE OF 1 X 10⁻⁹ TORR CAN BE ACHIEVED
 - HANDLING: THE COMPONENTS SHALL BE HANDLED WITH WHITE SILK GLOVES AND WRAPPED WITH ALUMINUM FOIL TYPE DRY ANNEAL AND UNDER CLEAN ROOM CONDITIONS
 - BREAK ALL SHARP CORNERS 0.03
 - DIMENSIONS IN [] ARE MILLIMETERS AND FOR REF. ONLY
 - SURFACE ROUGHNESS \checkmark 63

SYM	CHANGE DESCRIPTION	BY	CHKD	DATE

ITEM	DWG-PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY
PARTS LIST				
LOG NUMBER A2200500		THIS DRAWING IS THE PROPERTY OF ARGONNE NATIONAL LABORATORY		
DESIGNER J.CHANG/J.GREK	DATE 02/16/95	CHIEF DESIGN ENGINEER D.SHU	DATE 4/21/95	TITLE ADVANCED PHOTON SOURCE
CHECKED BY J.CHANG	DATE 3/16/95	GP LEADER T.M.KUZAY	DATE 4/21/95	P8 ID MONO INTEGRAL P8-20 TUNGSTEN BLOCK
DESIGNER J.CHANG/J.GREK	DATE 02/15/95	PROJECT MGR	DATE	
RESPONSIBLE ENGINEER J.CHANG	DATE 3/16/95	APPROVED/RELEASED	DATE	
MATERIAL TUNGSTEN-SEE NOTE 4		SCALE 1:1	SIZE C	DRAWING NUMBER P4105090908-200001-00
DO NOT SCALE DRAWING		SHEET 1 of 1		