



- NOTES:
- 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
 - CERTIFICATION OF ULTRA SONIC TEST AND VACUUM EXAMINATION SHALL BE SIGNED BY A CONTRACTOR REPRESENTATIVE AUTHORIZED TO SIGN SUCH CERTIFICATION
 - KEEP THE ASSEMBLY CLEAN, AND WRAP FOR UHV PACKING WITH ALUMINUM FOIL.
 - DIMENSIONS IN [] ARE MILLIMETERS AND FOR REF. ONLY
- * DIMENSION BEFORE MACHINING

5	REDESIGNED	M.J.M.	D.S./B.D.B.	10/00
SYM	CHANGE DESCRIPTION	BY	CHKD	DATE
REVISIONS				

ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY																				
PARTS LIST																								
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES		LOG NUMBER L5920001-05-1																						
TOLERANCES		THIS DRAWING IS THE PROPERTY OF ARGONNE NATIONAL LABORATORY																						
DECIMALS	ANGULAR	<table border="1"> <tr> <td>DRAWN BY MUSCIA</td> <td>DATE 7/14/97</td> <td>CHIEF DESIGN ENGINEER D. SHU</td> <td>DATE 7/25/97</td> <td>TITLE ADVANCED PHOTON SOURCE</td> </tr> <tr> <td>CHIEKED BY J. CHANG</td> <td>DATE 7/25/97</td> <td>GP LEADER T.M. KUZAY</td> <td>DATE 7/25/97</td> <td>L5-92 APS UNDULATOR</td> </tr> <tr> <td>DESIGNER SHU/MUSCIA</td> <td>DATE 7/14/97</td> <td>PROJECT MGR.</td> <td></td> <td>WHITE BEAM H & V</td> </tr> <tr> <td>RESPONSIBLE ENGINEER D. SHU</td> <td>DATE 7/25/00</td> <td>APPROVED/RELEASED</td> <td></td> <td>GRAZING - INCIDENCE</td> </tr> </table>			DRAWN BY MUSCIA	DATE 7/14/97	CHIEF DESIGN ENGINEER D. SHU	DATE 7/25/97	TITLE ADVANCED PHOTON SOURCE	CHIEKED BY J. CHANG	DATE 7/25/97	GP LEADER T.M. KUZAY	DATE 7/25/97	L5-92 APS UNDULATOR	DESIGNER SHU/MUSCIA	DATE 7/14/97	PROJECT MGR.		WHITE BEAM H & V	RESPONSIBLE ENGINEER D. SHU	DATE 7/25/00	APPROVED/RELEASED		GRAZING - INCIDENCE
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.X - .1 [2.5]	- 0°30'																							
.XX - .01 [0.25]																								
.XXX - .005 [0.13]																								
SURFACE ROUGHNESS 125 ✓																								
REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX.																								
SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1																								
DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5																								
MATERIAL SEE ABOVE		SCALE 1:1																						
		SHEET 1 of 2																						
		DRAWING NUMBER L5-920001-05-1																						
DO NOT SCALE DRAWING																								