



- NOTES:
1. THIS IS A UHV PART. ELECTROPOLISHING IS NEEDED BEFORE WELDING. PRIOR TO ELECTROPOLISHING, THE PART NEEDS TO GO THROUGH A MULTIPLE STEP CLEANING PROCESS INVOLVING DEGRASSING, WASHING AND DRY NITROGEN BLOW DOWN.
 2. KEEP THE PART CLEAN, AND WRAP FOR UHV PACKING WITH ALUMINUM FOIL.
 3. 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
 4. ALL DIMENSIONS WITH [] ARE MILLIMETERS.

REV	DESCRIPTION	DATE	BY	CHKD	APP'D
1	ISSUED FOR MANUFACTURE	12/12/15	J. CHANG	T. M. KUZAY	J. CHANG
2	REVISED	12/29/15	J. CHANG	T. M. KUZAY	J. CHANG
3	REVISED	12/29/15	J. CHANG	T. M. KUZAY	J. CHANG
4	REVISED	12/29/15	J. CHANG	T. M. KUZAY	J. CHANG

DATE	12/12/15	BY	J. CHANG	CHKD	T. M. KUZAY	APP'D	J. CHANG
TITLE	P9-S0 INTEGRAL SHUTTER (E) MASK COOLING BLOCK						
DWG. NO.	A2357900						
PROJECT	ADVANCED PHOTON SOURCE						
LABORATORY	ARGONNE NATIONAL LABORATORY						
SCALE	1:1						
DATE	12/12/15						
BY	G.F.H.C. COPPER						
CHKD	T.M. KUZAY						
APP'D	J. CHANG						
REVISED	12/29/15						
REVISED	12/29/15						
REVISED	12/29/15						
REVISED	12/29/15						