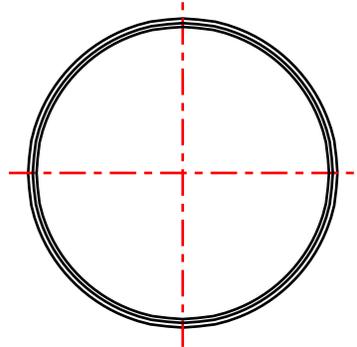
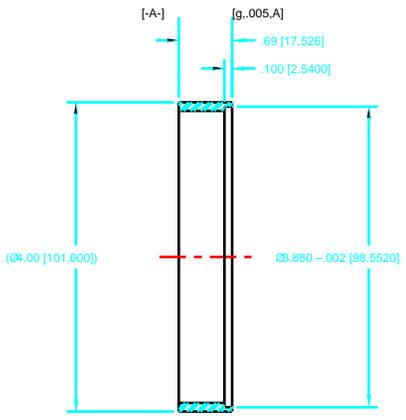


(C) PLOT SCALE: 1=1 DWG. SCALE: 1 A1657800



- NOTES:
1. THIS IS A ULTRA-HIGH VACUUM COMPONENT (UHV).
 2. 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
 3. ELECTROPOLISHING IS NEEDED BEFORE WELDING. PRIOR TO ELECTROPOLISHING, THE COMPONENT NEEDS TO GO THROUGH A MULTIPLE STEP CLEANING PROCESS INVOLVING DEGREASING, WASHING, AND DRY NITROGEN BLOWDOWN. THE CHAMBER VACUUM SIDE SURFACE ROUGHNESS SHALL BE BETTER THAN 63 MICROINCH RMS AFTER ELECTROPOLISHING.
 4. KEEP THE PART CLEAN AND WRAP FOR UHV PACKING WITH ALUMINUM FOIL.
 5. TOLERANCE SPECIFICATIONS TO CONFORM TO TOLERANCE BLOCK.
 6. ALL DIMENSIONS IN [] ARE MILLIMETERS AND ARE FOR REFERENCE ONLY.

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		THIS DRAWING IS THE PROPERTY OF ARGONNE NATIONAL LABORATORY		
DECIMALS: .03 [.762] - .25 .01 [0.254] .005 [0.127] SURFACE ROUGHNESS: 63 REMOVE ALL BURRS AND BREAK SHARP EDGES TO MAX. SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1 DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5		A1657800 LOG NUMBER DRAWN BY: R.KRAKORA CHECKED BY: J.CHANG DESIGNER: R.KRAKORA RESPONSIBLE ENGINEER: J.CHANG MATERIAL: 304 SST Ø.00 x .109 WALL	DATE: 2/94 DATE: 5/16/94 DATE: 5/16/94	TITLE: ADVANCED PHOTON SOURCE B7 ID BEAM MIS-STEERING SAFETY MONITOR SHORT TUBE
DECIMALS: .03 [0.762] - .25 .01 [0.254] .005 [0.127] SURFACE ROUGHNESS: 63 REMOVE ALL BURRS AND BREAK SHARP EDGES TO MAX. SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1 DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5		DATE: 2/94 DATE: 5/16/94 DATE: 5/16/94	TITLE: ADVANCED PHOTON SOURCE B7 ID BEAM MIS-STEERING SAFETY MONITOR SHORT TUBE	SCALE: 1:1 SHEET: 1 of 1 SIZE: C DRAWING NUMBER: P4105091407-210003-00