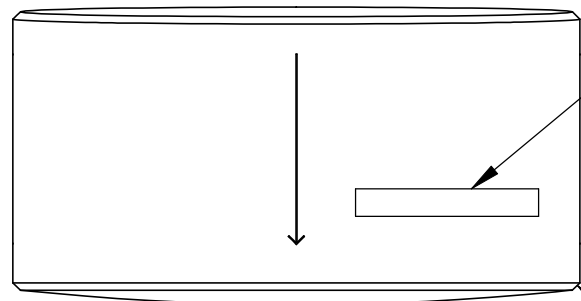
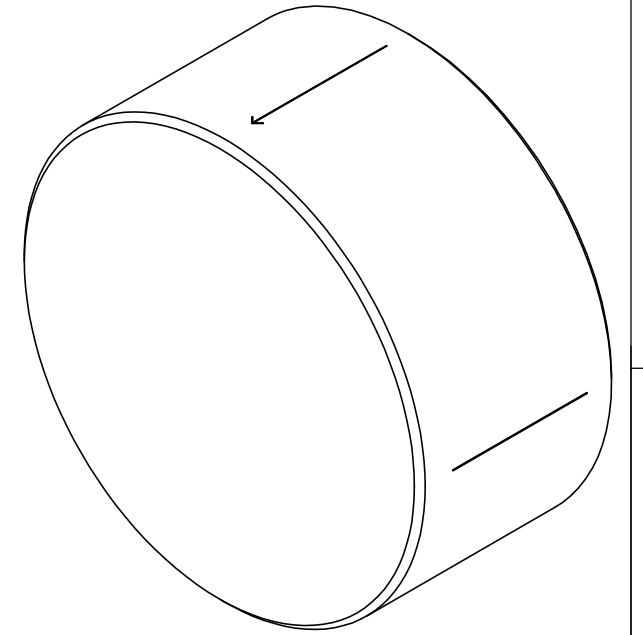


D0901173_ALIGO_Folded_Power_Recycling_Mirror_Substrate, PART PDM REV: X-001, DRAWING PDM REV: X-008

| REV. | DATE | DCN # | DRAWING TREE # |
|------|------|------------|----------------|
| - | - | E080533-v4 | - |
| - | - | - | - |
| - | - | - | - |



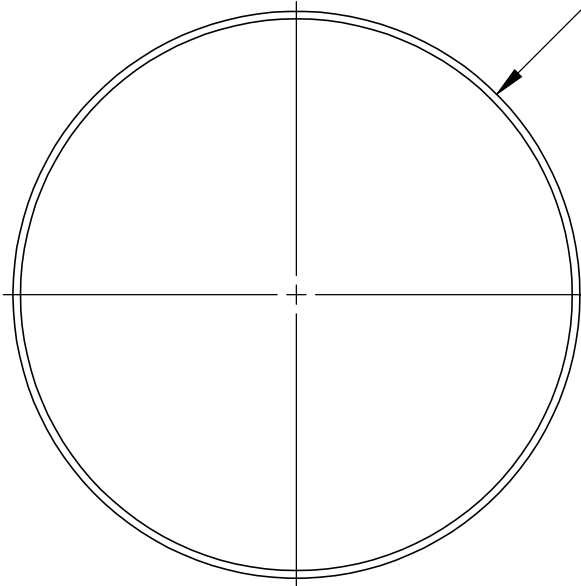
ETCH, GRIND, OR SANDBLAST SERIAL NUMBER
(TEXT HEIGHT 4mm)
AND ORIENTATION ARROW



SEE E0900088-v4
FOR RADIUS OF CURVATURE
(CURVATURE EXAGGERATED IN DRAWING)

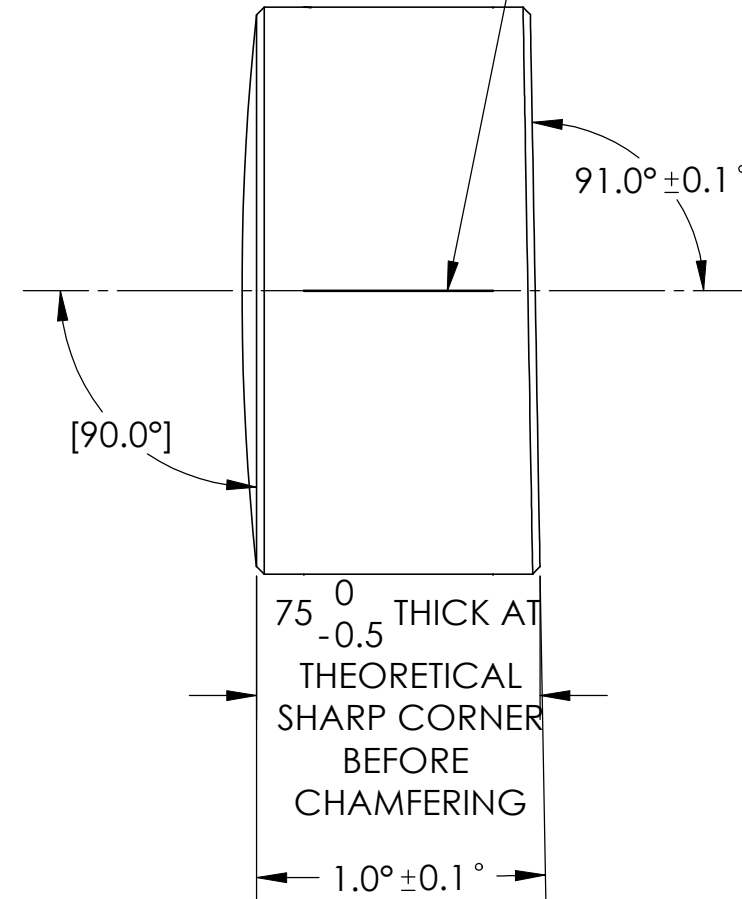
CHAMFER
 $45^{\circ} \pm 1^{\circ} \times 2 \pm 0.3$
2 PLACES

ETCH OR GRIND $0.25\text{mm} \pm 0.5\text{mm}$
WIDE x $50\text{mm} \pm 1\text{mm}$ LONG
3 PLACES $90^{\circ} \pm 0.25^{\circ}$ APART FROM
LINE WITH ARROW (SEE TOP VIEW)
PARALLEL TO CENTRAL AXIS WITHIN
 $\pm 0.10\text{mm}$, CENTERED BETWEEN
FRONT AND REAR SURFACES



$\phi 150^{+1}_0$

$\sqrt{\text{Ra}}$ 0.1mm



| NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED) | |
|---|---------|
| DIMENSIONS ARE IN mm | |
| 1. DO NOT SCALE FROM DRAWING. 2. SEE COMPONENT SPECIFICATION E0900088-v4. 3. WEDGE IS ASYMMETRICAL. | |
| MATERIAL | FINISH |
| NEXT ASSY | D020700 |

| | | |
|--|--|-------------------|
| | UNIVERSITY OF FLORIDA CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY | |
| | SYSTEM ADVANCED LIGO | SUB-SYSTEM 100 |

| | | | | | | | |
|--|--|--|------------------------|---------------------|------------|----------------------|--------------|
| PART NAME FOLDED POWER RECYCLING MIRROR SUBSTRATE | | | DESIGNER L.WILLIAMS | DATE 09 JUN 2009 | SIZE B | DWG. NO. D0901173 | REV. v4 |
| APPROVAL | | | CHECKER | DATE 10 JUN 2009 | SCALE: NTS | PROJECTION: | SHEET 1 OF 1 |