DWG NO 2513913 SH 1

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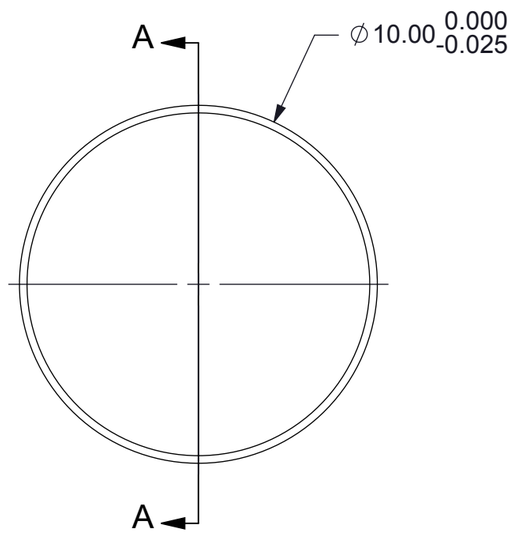
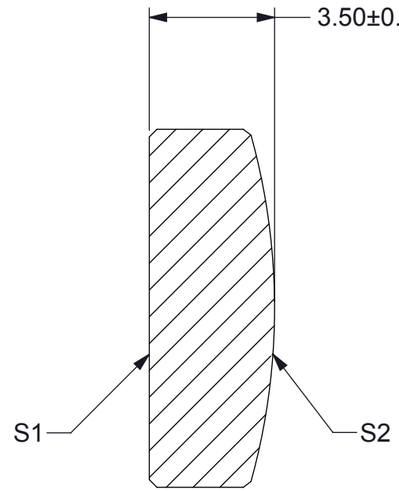
REVISIONS			
REV	DESCRIPTION	DATE	BY
A	INITIAL DRAWING RELEASE	4/9/2014	GP
B	CHANGES IRR TOL	6/20/2014	GP

NOTES: UNLESS OTHERWISE SPECIFIED:

1. MANUFACTURE PER MIL-PRF-13830B.
2. SURFACE QUALITY: SCRATCH AND DIG 80-50
3. BEVEL EDGES AT 45° TO 0.3 MM MAX FACE WIDTH.
4. MEASURE ALL FRINGES BEFORE COATING.
5. HIGH EFFICIENCY AR COATING ON S1 AND S2:
   AVERAGE REFLECTANCE <1.5% FROM 900 - 1700NM AT NORMAL INCIDENCE +/-20DEG.
   HARDNESS, HUMIDITY, AND ADHERENCE TESTS PER MIL-M-13508 IN THAT SEQUENCE
   ON A PART OF WITNESS SAMPLE OF THE SAME GLASS TYPE.
6. FINE GRIND OUTSIDE SURFACE
7. MATERIAL PER MIL-G-174
8. SURFACE ROUGHNESS: 50 ANGSTROM RMS MAX
9. APPLY THE FOLLOWING MARKING TO CONTAINER AND / OR TAG: DRAWING NO, AND REV.
10: WEDGE TOLERANCE (ETD) LESS THAN OR EQUAL TO 0.05MM.
11. REF ZEMAX FILE - mobile_spectro_p2TRP_spherical_fullsystem_FINAL_TOL.ZMX





SECTION A-A

	RADIUS	RAD TOL	IRR TOL	C.A. DIA
S1	PLANO	1 FR	1 FR.	8.5 MM
S2	18.096 CX	+/- 0.036 MM	1 FR	8.5 MM

MATERIAL	Nd	Vd
OHARA S-LAM66 NO SUBSTITUTIONS	1.800999 +/-0.001	34.97 +/- 0.28

THIRD ANGLE PROJECTION

2513880
NEXT ASSY | USED ON
APPLICATION

UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN MILLIMETERS
- TOLERANCES: ANGLES ±1°
  2 PLACE DECIMALS ±0.25
  1 PLACE DECIMALS ±0.50
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- INTERPRET DIMENSIONS IN ACCORDANCE WITH ASME Y14.5M-1994
- REMOVE ALL BURRS AND SHARP EDGES
- PARENTHETICAL INFO FOR REF ONLY

DWN G. PERRELLA DATE 4/9/2014
Engr G. PERRELLA 4/9/2014
CQE/QA
CM
Apprvd

TEXAS INSTRUMENTS

LENS 3 & 4

SIZE B | DWG NO 2513913 | REV B
SCALE 6:1 | SHEET 1 OF 1

SW-2010a