

NOTES:

1.0 MATERIAL
TYPE E48R
Nd 1.531
Vd
GRADE:
HOMOGENEITY:

2.0 DECENTER AND TILT
2.1 X-Y DECENTER: ±0.0125mm
2.2 X-Y TILT: 0.05°
2.3

3.0 SURFACE QUALITY (SPEC'S APPLY WITHIN CA ONLY)

| | S1 | S2 |
|-------------------------|-------|-------|
| 3.1 POWER (FR@633nm) | 3 | 3 |
| 3.2 IRREG (FR@633nm) | 1 | 1 |
| 3.3 SYMMETRY (FR@633nm) | 1 | 1 |
| 3.4 SCRATCH-DIG | 60-40 | 60-40 |
| 3.5 GREY | NONE | NONE |
| 3.6 STAIN | NONE | NONE |

| 4.0 COATING | S1 | S2 |
|-----------------|---|---|
| TYPE | BBAR | BBAR |
| λPEAK OR RANGE | 400-700nm | 400-700nm |
| %R OR %T | ≤.50% _{AVE} -1% _{MAX} | ≤.50% _{AVE} -1% _{MAX} |
| POLARIZATION | S AND P | S AND P |
| INCIDENCE ANGLE | 0°±20° | 0°±20° |
| MIN COATING AP | CA | CA |

5.0 S1 ASPHERE SURFACE PROFILE:

$$Z(H)=\frac{C * H^2}{1+\sqrt{1-(1+K) * C^2 * H^2}} + A_4 H^4 + A_6 H^6 + ...$$

WHERE $H^2 = X^2 + Y^2$

MINIMUM CLEAR APERTURE = ø10.800

SURFACE: CX

R = RADIUS = 7.03717

C = 1/R = 0.142102

K = 0.0

A₂ = 0.0

A₄ = -9.578645E-5

A₆ = -1.7647631E-6

A₈ = 3.7968353E-8

A₁₀ = -1.6706637E-9

6.0 S2 ASPHERE SURFACE PROFILE:

$$Z(H)=\frac{C * H^2}{1+\sqrt{1-(1+K) * C^2 * H^2}} + A_4 H^4 + A_6 H^6 + ...$$

WHERE $H^2 = X^2 + Y^2$

MINIMUM CLEAR APERTURE = ø5.200

SURFACE: CC

R = RADIUS = 4.13951

C = 1/R =0.24157

K = 0.0

A₂ = 0.0

A₄ = -0.0010137836

A₆ = -0.00013722649

A₈ = 4.5454993E-6

A₁₀ = 0.0

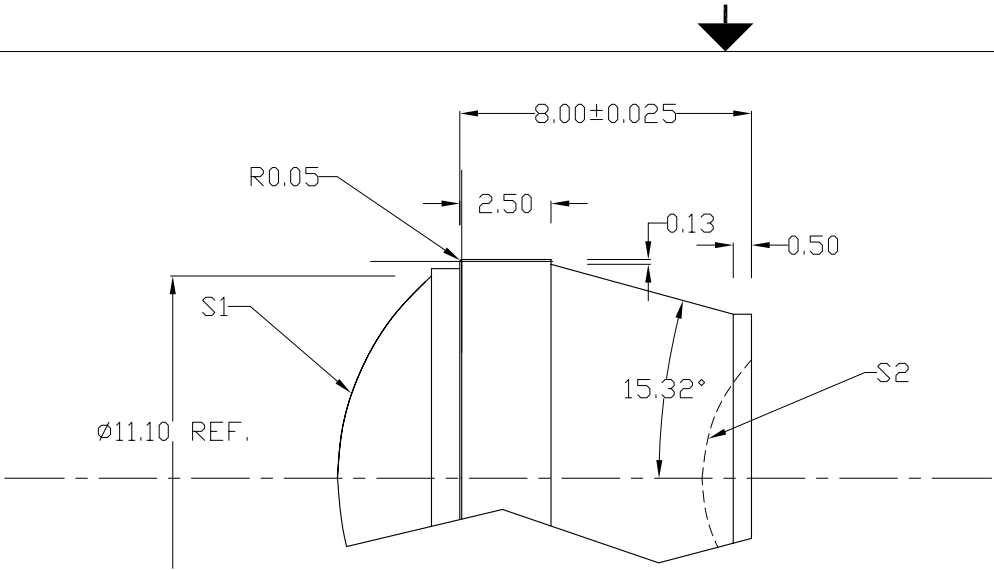
7.0 MOLDING:

7.1 NO VISIBLE FLOW LINES @ 5X MAGNIFICATION

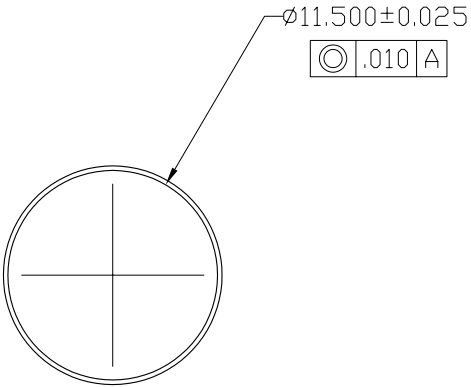
7.2 NO BURRS OR DEGATING MARKS.

7.3 NO SMOKE VISIBLE @ 1X .

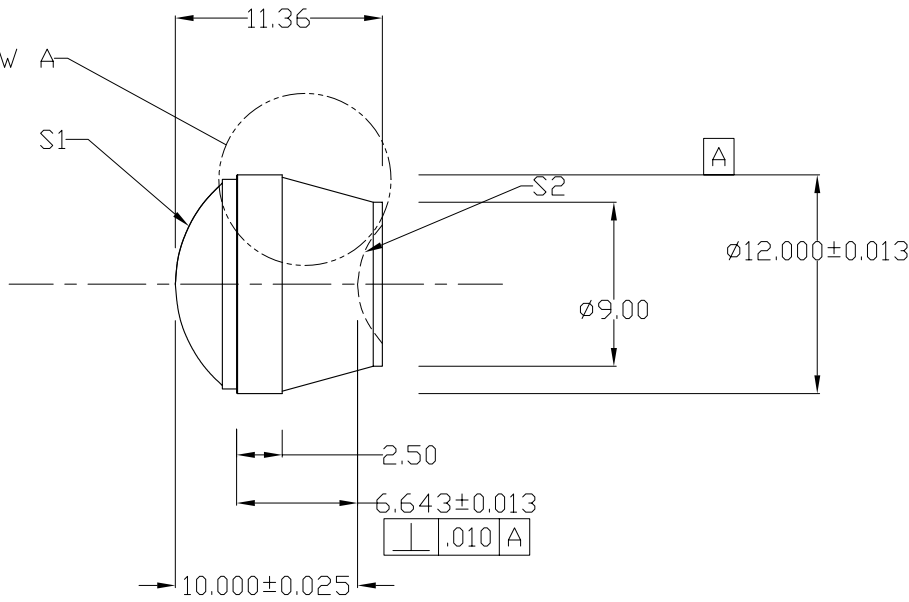
8.0 SEE SOLID MODEL (AW10-R3-L6M) FOR GATE DETAILS



VIEW A
2X SCALE



SEE VIEW A



| REVISIONS | | | | |
|-----------|-----|---------------------------------------|---------|----------|
| ZONE | REV | DESCRIPTION | DATE | APPROVED |
| | 1 | CHGD. SHAPE & ADDED DETAILS IN VIEW A | 5-15-12 | |

| | | | | | | |
|----------------------------|-----------|---|---------------------------|-----------------|---|-------------------|
| NEXT ASSY | MATERIAL: | UNLESS OTHERWISE STATED | DRAWN BY J.M.SHAW | DATE 3-22-12 | RPC PHOTONICS 330 Clay Road, Rochester, NY 14623 (voice) 585/272-2840 (fax) 585/272-2845 | |
| | | DIMENSIONS ARE IN MM .X ±.5 .XX ±.25 .XXX ±.100 ANGLES ± 1° SURF ROUGHNESS EDGE BREAKS .25 X 45° ✓ CHAMFER THREADS 45° TO ROOT DIAMETER | CHECKED | DATE | | |
| | FINISH: | THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF RPC AND MAY NOT BE REPRODUCED WITHOUT WRITTEN PERMISSION OR USED FOR OTHER THAN RPC AUTHORIZED PURPOSES | APPROVED P. McLAUGHLIN | DATE 5-22-12 | PRODUCT NAME - | |
| THIRD ANGLE PROJECTION | | | SCALE NONE | SHEET No. OF | PART NAME AW10-R3-L6-MOLD | |
| | | | | | DWG SIZE B | PART NO. REV 1 |