

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)

	<u>S1</u>	<u>S2</u>
3.1 POWER (FR@633nm)	3	4
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	<u>S1</u>	<u>S2</u>
TYPE	BBAR	NONE
λ PEAK OR RANGE	400-700nm	
%R OR %T	≤.50% _{Ave} -1% _{Max}	
POLARIZATION	S AND P	
INCIDENCE ANGLE	0°±20°	
MIN COATING AP	CA	

5.0 S1 ASPHERE SURFACE PROFILE:
$$Z(H) = \frac{C * H^2}{1 + \sqrt{1 - (1 + K) * C^2 * H^2}} + A_4 H^4 + A_6 H^6 + \dots$$

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

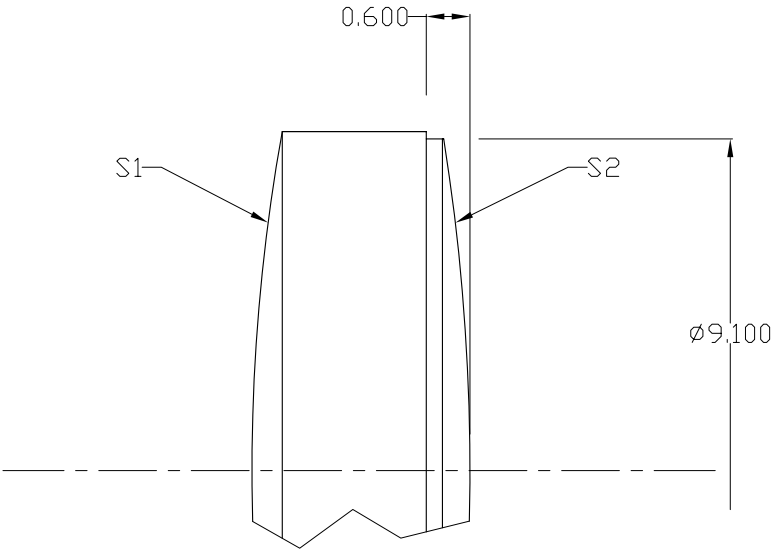
MINIMUM CLEAR APERTURE = ø8.800
SURFACE: CX
R = RADIUS = 26.26536
C = 1/R = 0.038073
K = 0.0
A₂ = 0.0
A₄ = -6.9425601E-5
A₆ = 3.205928E-6
A₈ = -2.3371668E-7
A₁₀ = 5.2267446E-9

6.0 S2 SURFACE PROFILE:

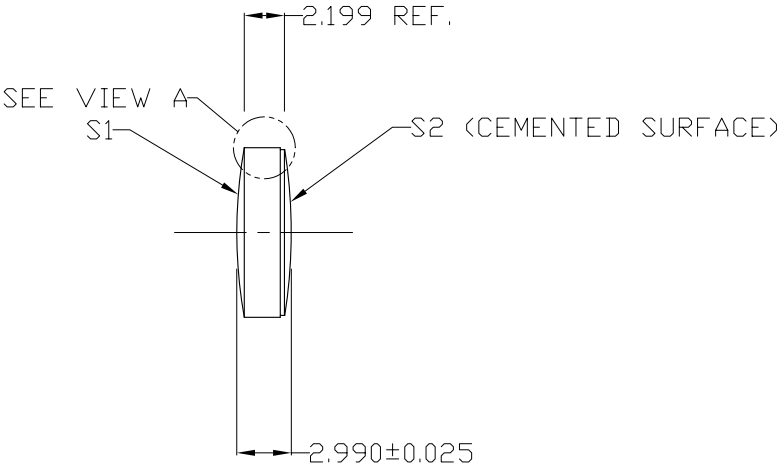
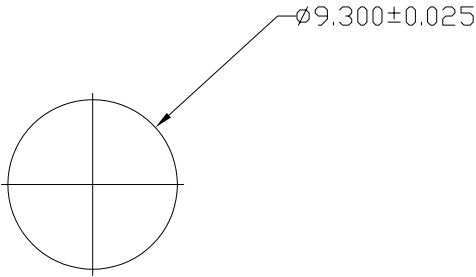
MINIMUM CLEAR APERTURE = ø8.800
SURFACE: CX
R = RADIUS = 28.91728

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-L1M) FOR GATE DETAILS



VIEW A
4X SCALE



PART OF A CEMENTED DOUBLET PAIRED WITH L2

NEXT ASSY	MATERIAL:	UNLESS OTHERWISE STATED	DRAWN BY	DATE	RPC PHOTONICS 330 Clay Road, Rochester, NY 14623 (voice) 585/272-2840 (fax) 585/272-2845			
		DIMENSIONS ARE IN MM	J.M.SHAW	3-22-12				
		.X ±.5	CHECKED	DATE	PRODUCT NAME			
		.XX ±.25			AWARE 10			
		.XXX ±.100	APPROVED	DATE	PART NAME			
	FINISH:	ANGLES ± 1°	P. McLAUGHLIN	5-22-12	AW10-R3-L1-MOLD			
		SURF ROUGHNESS	SCALE	SHEET No.	DWG	PART NO.	REV	
THIRD ANGLE PROJECTION		EDGE BREAKS .25 X 45°	NONE	OF	SIZE B		1	
		CHAMFER THREADS 45° TO ROOT DIAMETER						
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