

1.ASP

$$Z = \frac{y^2}{R\left[1 + \sqrt{1 - (1 + K)y^2/R^2}\right]} + Ay^2 + By^4 + Cy^6 + Dy^8 + Ey^{10} + Fy^{12}$$

R = 136.041779 mm
K = -1.000000
B = -2.666407e-06
C = 2.344722e-09
D = -1.684283e-12
E = 6.197901e-16
F = 0.000000e+00

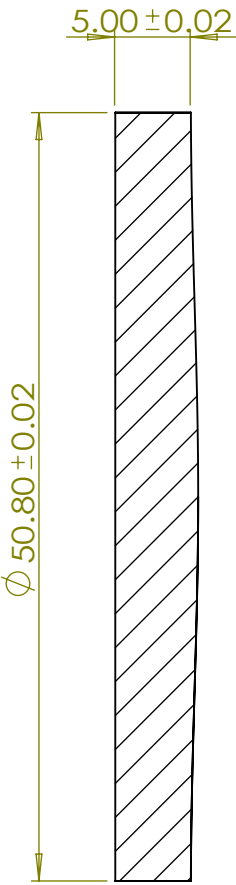
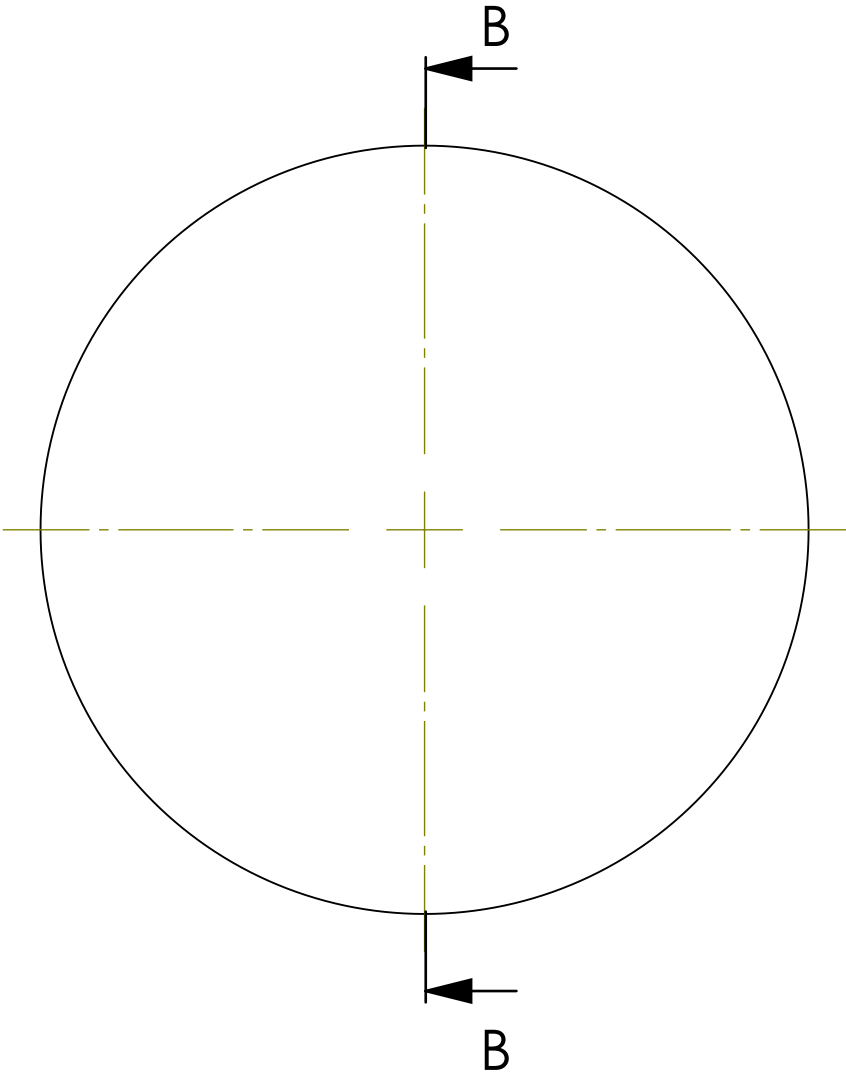
2.要求

透射面型pv<1/2λ
T≥99%@800nm

3.矢高数据

Y-coordinate (mm)	Sag (mm)
0	0
1	0.003672677
2	0.014658853
3	0.032863793
4	0.058132359
5	0.090253018
6	0.128963235
7	0.173956011
8	0.224887317
9	0.281384107
10	0.343052574
11	0.409486312
12	0.480274031
13	0.555006514
14	0.633282546
15	0.714713606
16	0.798927213
17	0.885568953
18	0.974303329
19	1.064813822
20	1.156802702
21	1.249991448
22	1.344122891
23	1.438966552
24	1.534329033
25.4	1.668459083

$$\left\{\begin{aligned} shape_func &= \frac{(\frac{1}{2a}\ln(z_1+ar^2)-\frac{1}{2a}\ln z_1)}{n-1} \\ z_1 &= 300[mm] \\ a &= \frac{160[mm]}{(19.05[mm])^2} \end{aligned}\right.$$



剖面 B-B

	名称	签名	日期				标题:
绘制	杨新涛	杨新涛					160mm焦深透镜
检查	杨新涛	杨新涛					
批准							
制造							
验检				材料:	石英玻璃JGS-3		工程图号
							Axicon-160
				重量: /			比例:2:1
							图纸 1 (共1)