

B

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7. THIS ELEMENT MUST MEET THE SCRATCH/DIG REQUIREMENTS ACROSS THE FULL CLEAR APERTURES INDICATED, BOTH SIDES, PER LIGHTPATH PWI INS-8.2-05P6.⌘  
-00: S/D: 40/20

6. FEATURES IDENTIFIED AS ⌘ ARE CRITICAL CHARACTERISTICS.  
CRITICAL CHARACTERISTICS ARE GUARANTEED IN PRODUCTION.

5. NOMINAL DESIGN PARAMETERS (FOR REFERENCE ONLY):

DESIGN WAVELENGTH	1577nm
W.D.	0.160mm
N.A.	0.68

4. SURFACE DEFINITIONS (CLEAR APERTURES ARE SUBJECT TO QUALIFICATION):

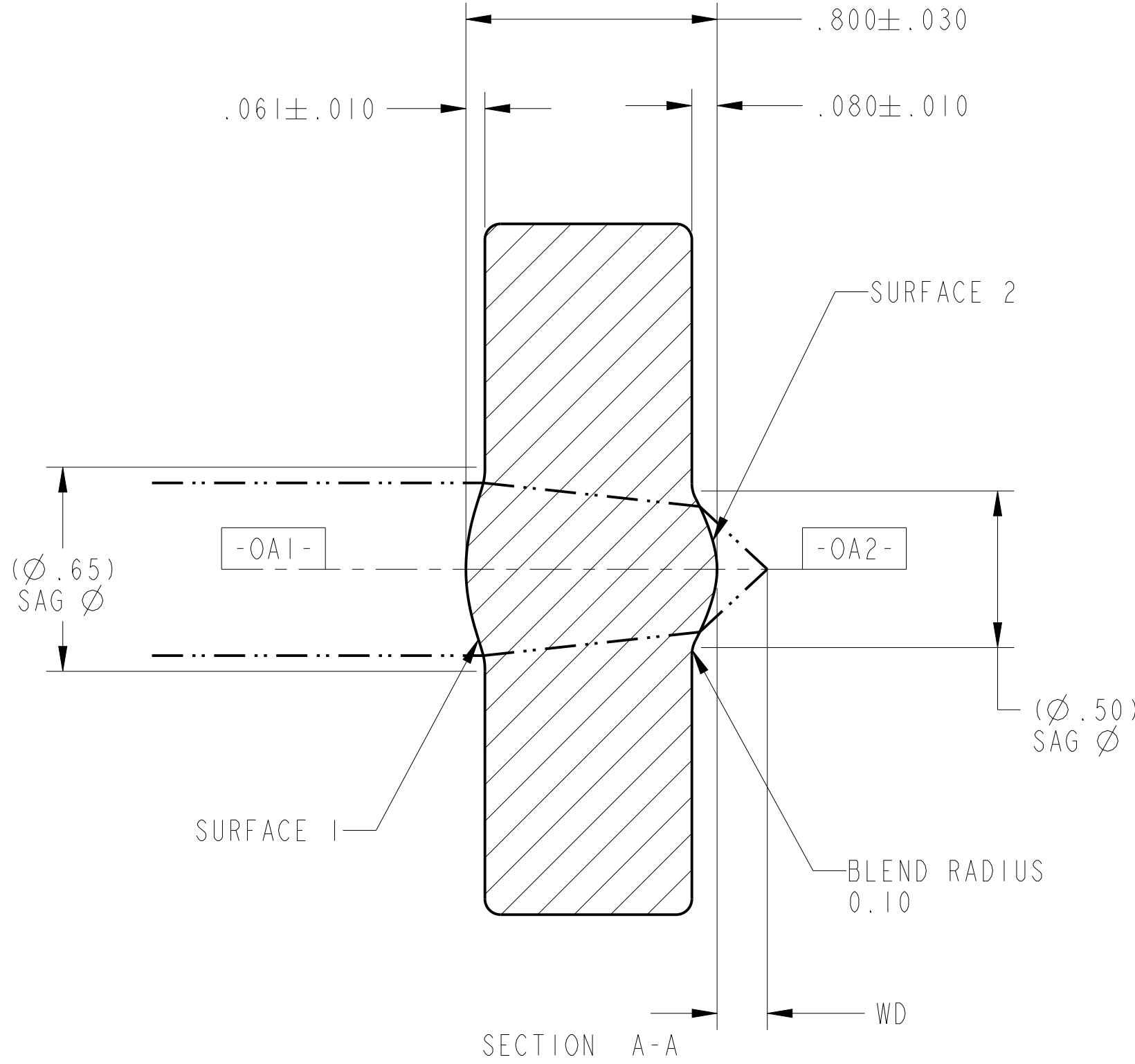
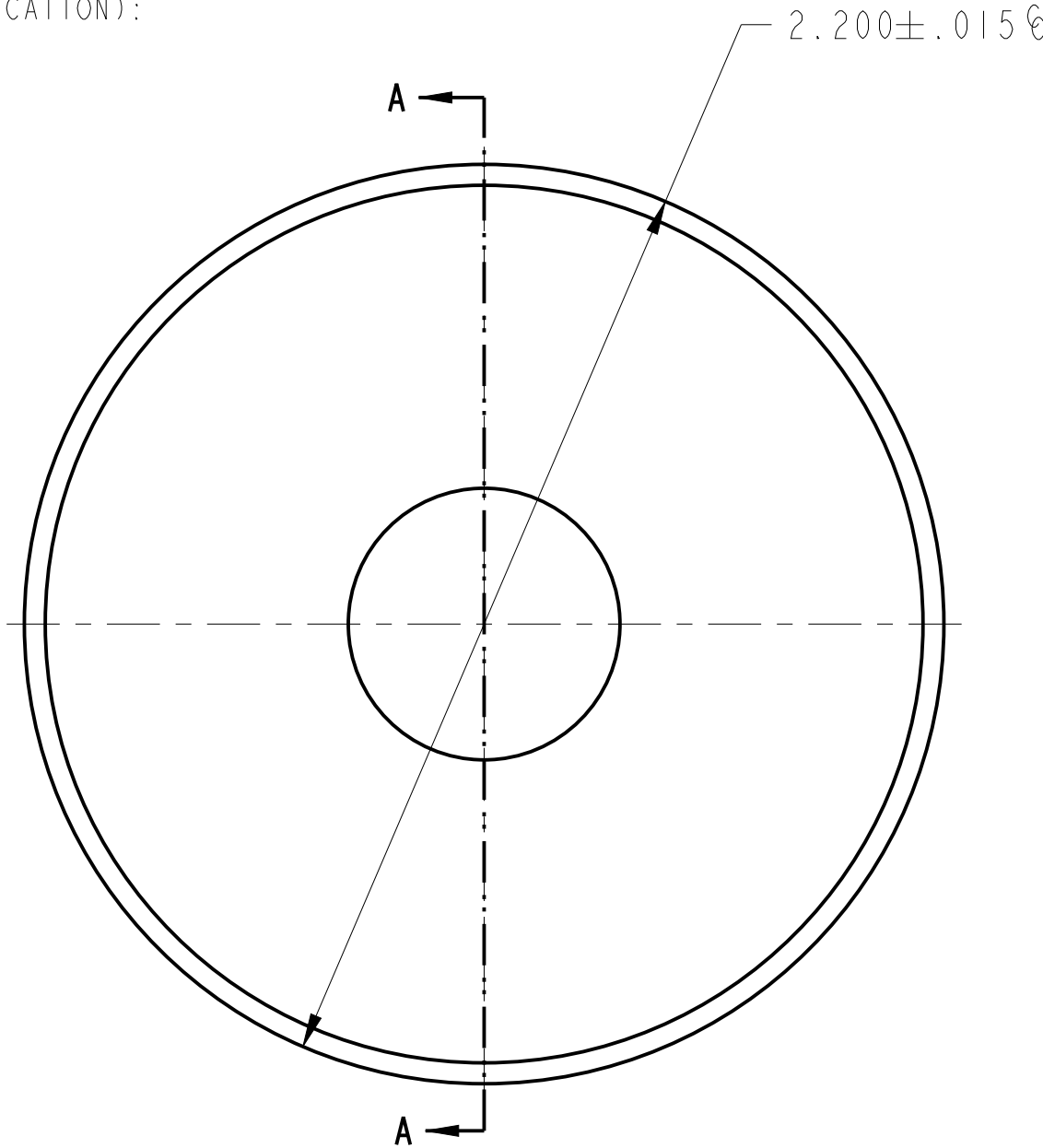
	SURFACE 1	SURFACE 2
TYPE	ASPHERE	ASPHERE
SHAPE	CX	CX
CA	∅0.55	∅0.40
R <sub>C</sub>	0.583091	-0.263915
K	0.000000	-0.999999
A <sub>2</sub>	0.000000E0	0.000000E0
A <sub>4</sub>	-1.499430E0	3.393530E1
A <sub>6</sub>	9.870390E0	-1.333230E3
A <sub>8</sub>	-6.429250E2	4.448300E4
A <sub>10</sub>	8.276500E3	-1.143140E6
A <sub>12</sub>	-4.728510E3	2.025620E7
A <sub>14</sub>	-1.024510E6	-2.123110E8
A <sub>16</sub>	6.110780E6	9.708390E8

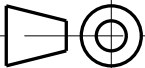
- NOTES: UNLESS OTHERWISE SPECIFIED
- OA1- IS THE THEORETICAL OPTIC AXIS OF THE FIRST OPTIC SURFACE.
  - OA2- IS THE THEORETICAL OPTIC AXIS OF THE SECOND OPTIC SURFACE.
  - ASPHERIC SURFACES ARE DEFINED BY:

$$z(r) = \frac{r^2/R_c}{1 + \sqrt{1 - (1 + K)(r/R_c)^2}} + \sum_i A_{2i}r^{2i}$$

WHERE: r = RADIAL DISTANCE FROM VERTEX IN mm

SURFACE	RADIUS ERROR	IRREGULARITY	CENTRATION TO OD	TILT TO OD
S1	± 0.009 mm	< 317 nm PV < 106 nm RMS	< 0.007 mm	< 0.6 mrad
S2	± 0.003 mm			



<div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL TOLERANCES ARE:     .X ± 0.25     .XX ± 0.10     .XXX ± 0.025     .XXXX ± 0.013     ANGLES: ± 0.5°</div>		<div>LightPath</div> <div>TECHNOLOGIES</div> <div>2603 CHALLENGER TECH CT. SUITE 100 ORLANDO, FL 32826</div>		<div>PROPRIETARY INFORMATION</div> <div>THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF LIGHTPATH TECHNOLOGIES AND IS NOT TO BE DISCLOSED OR REPRODUCED IN WHOLE OR PART, OR USED FOR MANUFACTURING FOR ANYONE OTHER THAN LIGHTPATH TECHNOLOGIES WITHOUT ITS WRITTEN CONSENT. NO RIGHT IS GRANTED TO DISCLOSE OR USE ANY INFORMATION CONTAINED IN SAID DOCUMENT.</div>	
		<div>TITLE</div> <div>LENS CODE 355865</div>			
<div>DRAWN</div> <div>JC\ORL</div>	<div>SIZE</div> <div>A2</div>	<div>DWG NO</div> <div>0355865</div>		<div>REV</div> <div>B</div>	
<div>MATERIAL</div> <div>D-ZLAF52LA(m)</div>	<div>SCALE:</div> <div>60.00</div>		<div>THIRD ANGLE PROJECTION</div> <div></div>		<div>SHEET</div> <div>1 OF 1</div>
<div>SOFTWARE</div> <div>Pro/ENGINEER</div>					

REVISION HISTORY				
REV	DCO	DESCRIPTION	DATE	INITIALS
A	5399	INITIAL RELEASE	5/29/18	JC
B	5902	ADD TOLERANCE TABLE	8/8/19	JC

DWG NO  
0355865

REV  
B

SH  
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