



1:1 ISOMETRIC VIEW FOR REFERENCE ONLY

SECTION A-A

NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 587.6nm
2. FOCAL LENGTH: $f=50.00\text{mm} \pm 1\%$
3. BACK FOCAL LENGTH(REF): $bf=45.5\text{mm}$
4. CLEAR APERTURE: >90% OF SURFACE LENGTH AND HEIGHT
5. SURFACE QUALITY: 60-40 SCRATCH-DIG
6. CENTRATION: $\leq 5\text{arcmin}$
7. LENGTH AND HEIGHT TOLERANCE: $+0.0/-0.1\text{mm}$
8. THICKNESS TOLERANCE: $\pm 0.1\text{mm}$
9. SURFACE ACCURACY:
 POWER = 1 FRINGE (S1), 3 FRINGES (S2)
 IRREGULARITY = $\lambda/4$ (S1), λ (S2 H), λ/cm (S2 L)

ALL DIMENSIONS ARE IN THE FORM $\frac{[in]}{mm}$

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	NAME	DATE
DRAWN	BAG	03/22/2010
ENG APPR.	SG	04/07/2010
MFG APPR.	DD	04/21/2010

TITLE: H=30.0 L=32.0 F=50.0 CYLINDRICAL
N-BK7 PLANO CONVEX LENS

MATERIAL: N-BK7 SIZE A REV. C

SCALE: 2:1 SHEET 1 OF 1

DWG. NO. 3760-E01 PART NO. LJ1695L1