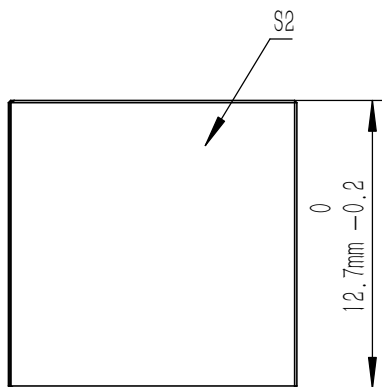


SCALE 2: 1

NOTES

1. CLEAR APERTURE: >80%CA
2. AR COATING(S1,S2,S3,S4): $R_{avg} < 0.5\%$ @700 nm-1100 nm (6° AOI, SINGLE SURFACE)
3. ANGLE TOLERANCE: $\pm 5'$
4. COATING(S5): SPLITTING COATING
 $T_{abs} = (27 \pm 10)\%$, $R_{abs} = (67 + 5 / -15)\%$;
 $|T_s - T_p| < 10\%$, $|R_s - R_p| < 10\%$; $T_{abs} + R_{abs} > 85\%$
5. GLUED(S5,S6): NOA61
6. SPLIT RATIO(R:T): 70:30
7. TRANSMITTED BEAM DEVIATION: $0^\circ \pm 5$ arcmin
8. REFLECTED BEAM DEVIATION: $90^\circ \pm 5$ arcmin
9. SURFACE QUALITY(S1,S2,S3,S4): 40/20(S/D)
10. WAVEFRONT ERROR(RMS): $\lambda/4$ @633 nm
11. SURFACE FLATNESS(S1,S2,S3,S4): $\lambda/6$ @633 nm
12. OTHER SURFACES: FINE GROUND
13. CHAMFER: 0.2 mm, 45



| | | | | | | |
|--|--------|--------------|--|--------|-------|-----|
| DRAWING PROJECTION | | | LBTEK | | | |
| | NAME | DATE | | | | |
| DRAWN | LZHOU | Aug./12th/24 | BEAM SPLITTER L=12.7 mm, R:T=70:30@700 nm-1100 nm | | | |
| APPROVAL | WCHENG | Aug./12th/24 | MATERIAL | WEIGHT | SCALE | REV |
| FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES | | | N-BK7 | 5.1 g | 3:1 | A |