

NOTES:

1. SUBSTRATE: GRADE A FINE ANNEALED
SCHOTT: N-BK7 517/642
2. ROHS COMPLIANT
3. SURFACE S2 TO BE PARALLEL TO SURFACE S1 TO WITHIN 3 ARCMIN
4. COATING (APPLY ACROSS COATING APERTURE)
SPECIFICATIONS AT 45° AOI AND RANDOM POLARIZATION
S1:
 $R(\text{abs}) = 30\% \pm 5\% @ 550\text{nm}$
 $R(\text{abs}) = 30\% \pm 10\% \text{ FROM } 400\text{-}700\text{nm}$
 $T(\text{abs}) = 70\% \pm 5\% @ 550\text{nm}$
 $T(\text{abs}) = 70\% \pm 10\% \text{ FROM } 400\text{-}700\text{nm}$
 VISUAL COLOR = NEUTRAL

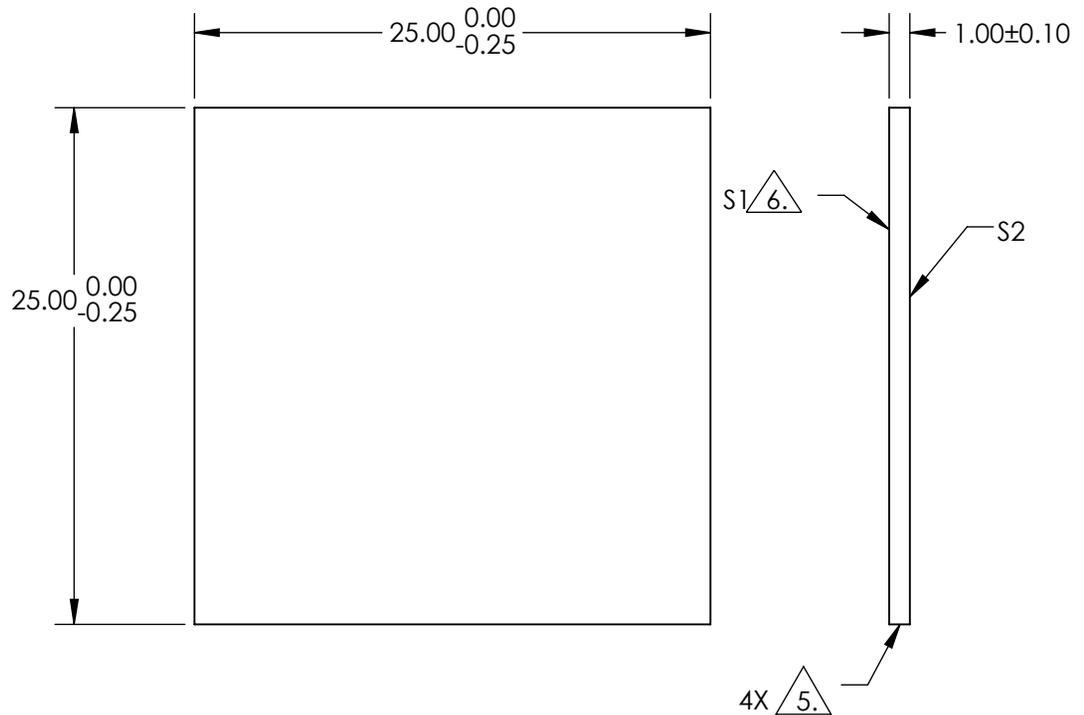
S2: BBAR
 $R(\text{abs}) \leq 2.0\% \text{ FROM } 400\text{-}700\text{nm}$
 $R(\text{avg}) \leq 1.0\% \text{ FROM } 400\text{-}700\text{nm}$



FINE GRIND SURFACE



MARK IDENTIFIES BEAMSPLITTER SURFACE



**FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING**

| | S1 | S2 |
|-----------------------------------|----------------------|----------------------|
| SHAPE | PLANO | PLANO |
| SURFACE ACCURACY AT 632.8nm (P-V) | 1 WAVE | 1 WAVE |
| SURFACE QUALITY | 60 - 40 | 60 - 40 |
| SURFACE FLATNESS | 2λ PER 25mm | 2λ PER 25mm |
| MIN CLEAR APERTURE | 21.25 x 21.25 | 21.25 x 21.25 |
| MIN COATING APERTURE | 21.25 x 21.25 | 21.25 x 21.25 |
| BEVEL | PROTECTIVE AS NEEDED | PROTECTIVE AS NEEDED |

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

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| | | | |
|------------------------|----|--------|--------------------------------|
| THIRD ANGLE PROJECTION | | TITLE | BS VIS 30R/70T 25X25MM 1MM THK |
| ALL DIMS IN | mm | DWG NO | 35934 |
| | | | SHEET 1 OF 1 |