



NOTES/SPECIFICATIONS:

1. CLEAR APERTURE: >80% DIAMETER
2. SURFACE FLATNESS (S1, S2): $< \lambda/10$ AT 633 nm OVER CLEAR APERTURE
3. SURFACE QUALITY (S1, S2): 20-10 SCRATCH-DIG
4. PARALLELISM: ≤ 5 arcmin
5. THICKNESS TOLERANCE: ± 0.4 mm
6. DIAMETER TOLERANCE: +0.0/-0.2 mm
7. COATING (S1): HARMONIC BEAMSPLITTER COATING
 - S-POLARIZATION: $R_{\text{abs}} > 99\%$, $|GDD_R| < 20 \text{ fs}^2$, 500 nm to 550 nm, 56° AOI
 - P-POLARIZATION: $R_{\text{abs}} < 0.5\%$, 1000 nm to 1100 nm, 56° AOI
8. COATING (S2): UNCOATED

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			THORLABS www.thorlabs.com	
	NAME	DATE	Ø 1" Ultrafast Harmonic Beamsplitter 2nd Harmonic Yb	
DRAWN	JD	18/FEB/20		
APPROVAL	JE	18/FEB/20	MATERIAL	REV
COPYRIGHT © 2020 BY THORLABS			IR FUSED SILICA	A
			ITEM #	APPROX WEIGHT
VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS			UBS24	4 g