

4

3

2

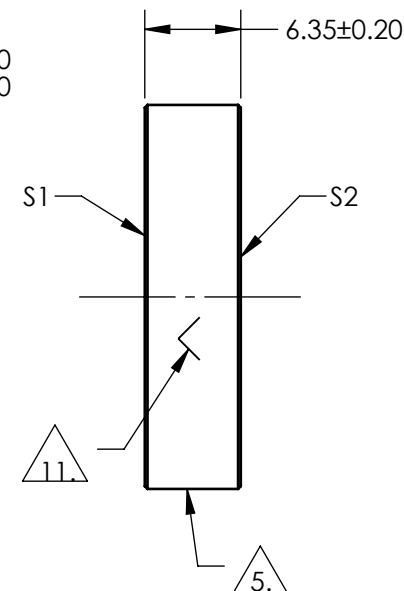
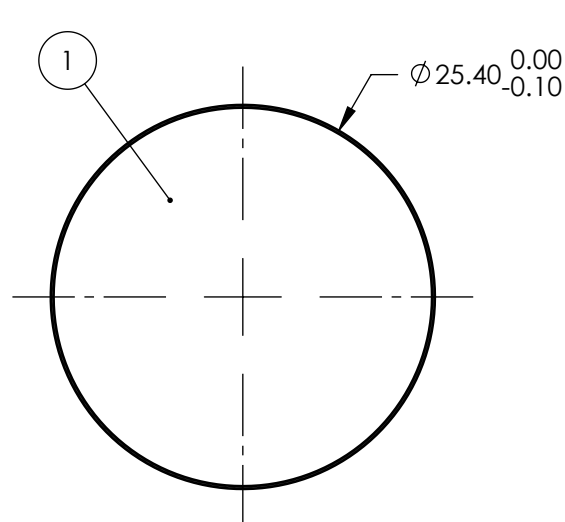
1

NOTES: UNLESS OTHERWISE SPECIFIED

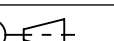
1. ALLOWABLE OPTICAL MATERIAL(S):
NO SUBSTITUTIONS ALLOWED UNLESS NOTED IN WRITING FROM
EDMUND OPTICS

FUSED SILICA
CORNING: 7980 OF 458/678
2. ONLY ROHS-COMPLIANT MATERIALS ARE ACCEPTABLE. DO
NOT SUBSTITUTE WITH ROHS-EXEMPT OR NON-COMPLIANT
MATERIALS
3. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN
< 3 ARCMIN
4. COATING (APPLY ACROSS COATING APERTURE):
DURABILITY: ADHESION AND ABRASION AS PER MIL-PRF13830B, APP B,
PARA B.4.4.5 and B.4.4.6

S1: R(AVG) = 80% ± 2% @ 532nm @ 0° AOI
S2: R(AVG) < 0.2% @ 532nm @ 0° AOI
5. FINE GRIND SURFACE
6. SURFACE FORM AND QUALITY SPECIFICATIONS APPLY ACROSS
CLEAR APERTURE
7. CHIPS OUTSIDE OF CLEAR APERTURE: < 0.25
8. CLEAR APERTURE AND COATING APERTURE ARE CENTERED ON
SURFACES
9. BEVELS TO BE APPLIED APPROXIMATELY SYMMETRIC ABOUT
INTERSECTION OF FACES
10. TRANSMITTED WAVEFRONT ERROR:
0.25 FRINGES P-V @ 632.8nm
11. APPLY CARET ON EDGE WITH PENCIL OR PERMANENT INK
POINTING TO SURFACE S1



1	1	37689	Ø25.4mm x 6.35mm UNCOATED LASER WINDOW SUBSTRATE
ITEM	QTY.	PART NUMBER	DESCRIPTION

	S1	S2		INITIALS	DATE
SHAPE	PLANO	PLANO	DRAWN BY	M.S.	03/23/20
SURFACE ACCURACY AT 632.8nm (P-V)	0.25 FRINGES	N/A	CHECKED BY	J.B.	03/27/20
SURFACE QUALITY	10-5	10-5	APPROVED BY	F.J.B.	03/31/20
POWER AT 632.8nm	N/A	N/A	EFL (AT 587.6nm)	(N/A)	
IRREGULARITY AT 632.8nm	N/A	N/A	BFL (AT 587.6nm)	(N/A)	
CLEAR APERTURE	Ø20.32	Ø20.32	ALL DIMS IN	mm	
MIN COATING APERTURE	Ø20.32	Ø20.32	INTERPRET PER ASME Y14.5-2009		
BEVEL MIN FACE WIDTH	0.25	0.25	THIRD ANGLE PROJECTION		
BEVEL MAX FACE WIDTH	0.51	0.51			

EO PROPRIETARY INFORMATION
THIS DOCUMENT AND THE INFORMATION CONTAINED WITHIN ARE EDMUND OPTICS INC. (EO) PROPRIETARY
INFORMATION INTENDED SOLELY FOR THE USE OF EO AND THE RECEIVING PARTIES HEREBY BOUND TO KEEP
SUCH INFORMATION CONFIDENTIAL (HEREINAFTER "PARTY"). ANY REVIEW, TRANSMISSION, DISCLOSURE,
DUPLICATION, DISCUSSION, PUBLISHING, AND/OR DISTRIBUTION WITH OR TO ANYONE OTHER THAN EO AND
PARTY, INCLUDING BUT NOT LIMITED TO ANY OTHER CUSTOMER, AGENT, AND/OR VENDOR, ARE STRICTLY
PROHIBITED. UPDATES AND REVISIONS TO THIS DOCUMENT ARE AT THE SOLE DISCRETION OF EO.

Edmund Optics®

TITLE Ø25.4mm, 80%R, 532nm OUTPUT
COUPLER

DWG NO. 14741 REV 02

SCALE NONE SHEET 1 OF 1 SHEET SIZE: A CAD SYS: SolidWorks
EPDM TEMPLATE 051324

4

3

2

1