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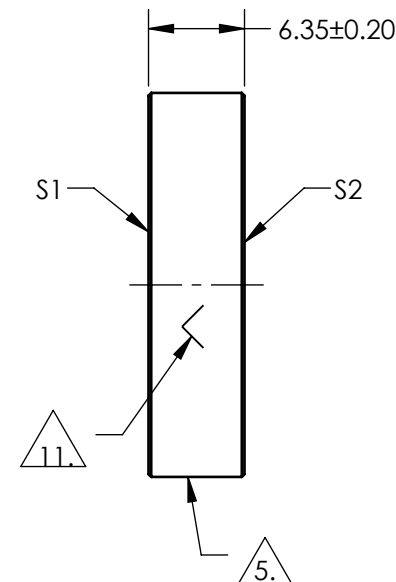
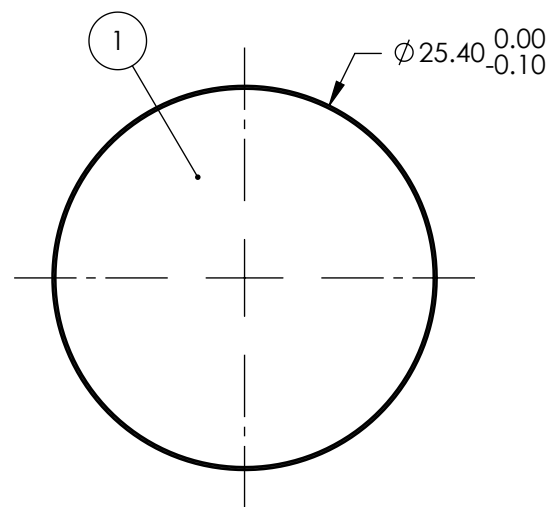
1

NOTES: UNLESS OTHERWISE SPECIFIED

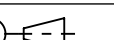
1. ALLOWABLE OPTICAL MATERIAL(S):
NO SUBSTITUTIONS ALLOWED UNLESS NOTED IN WRITING FROM
EDMUND OPTICS

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% @ 1064nm @ 0° AOI
S2: R(AVG) < 0.2% @ 1064nm @ 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			

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Edmund Optics®

TITLE

Ø25.4mm, 80%R, 1064nm OUTPUT
COUPLER

DWG NO.

14739

REV

02

SCALE

NONE

SHEET 1 OF 1

SHEET SIZE: A

CAD SYS: SolidWorks
EPDM TEMPLATE 051324

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