

NOTES:

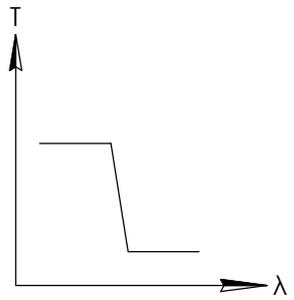
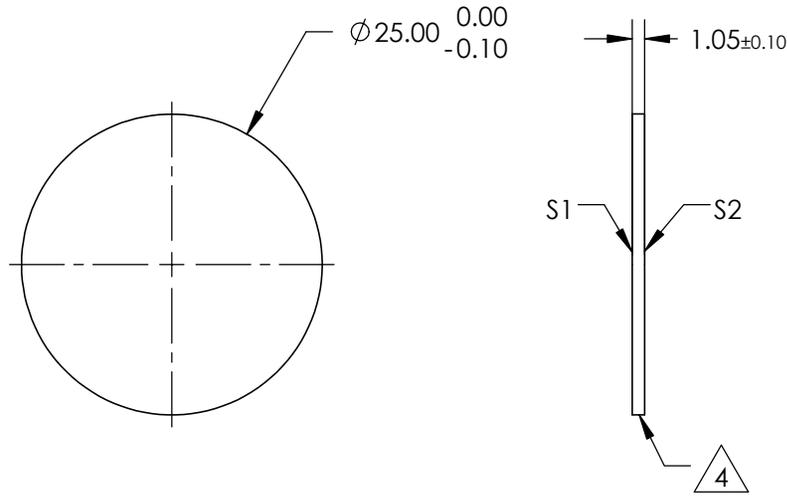
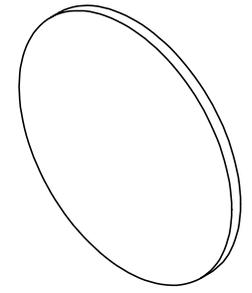
**FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING**

1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
ENVIRONMENTAL DURABILITY:
PHYSICAL DURABILITY:
PERFORMANCE SPECIFICATIONS:
T(avg): >85% FROM 400 - 775nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 400 - 775nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 850 - 1050nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 850 - 1050nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 800nm @ 45° AOI

S1: HARD COATED
S2: SINGLE LAYER MgF2

 FINE GRIND SURFACE

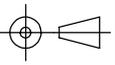
5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm $\leq \frac{1}{4} \lambda$
7. ROHS COMPLIANT



SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	Ø22.00	Ø22.00
COATING APERTURE	Ø24.00	Ø24.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION 

ALL DIMS IN mm

 **Edmund Optics®**

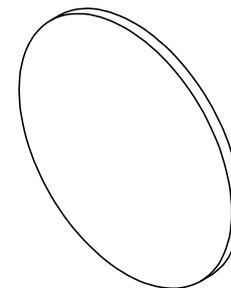
TITLE: Ø25mm, 800nm DICHROIC SHORTPASS FILTER

DWG NO: 69208

SHEET 1 OF 1

NOTES:

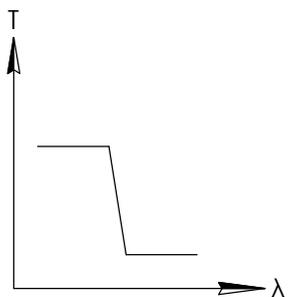
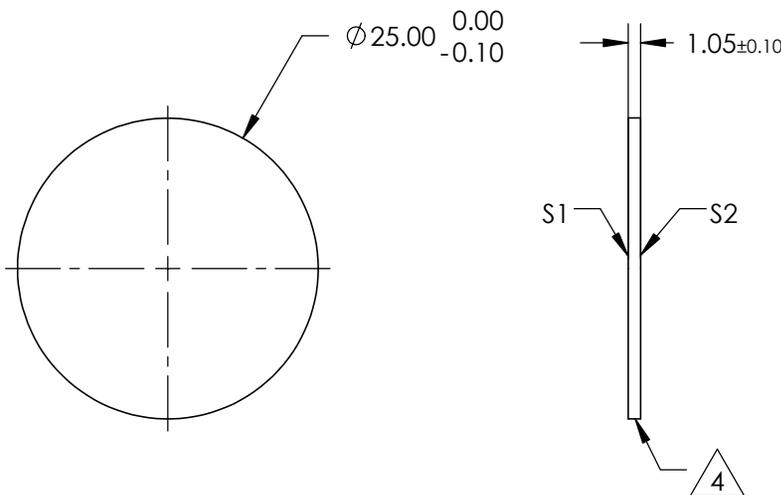
**FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING**



1. SUBSTRATE
 2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
 3. COATING (APPLY ACROSS COATING APERTURE)
ENVIRONMENTAL DURABILITY:
PHYSICAL DURABILITY:
PERFORMANCE SPECIFICATIONS:
T(avg): >85% FROM 400 - 820nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 400 - 820nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 910 - 1110nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 910 - 1110nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 850nm @ 45° AOI
- S1: HARD COATED
S2: SINGLE LAYER MgF2

 FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm $\leq \frac{1}{4} \lambda$
7. ROHS COMPLIANT



SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	Ø22.00	Ø22.00
COATING APERTURE	Ø24.00	Ø24.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

 **Edmund Optics®**

THIRD ANGLE
PROJECTION



TITLE

Ø25mm, 850nm DICHROIC SHORTPASS FILTER

DWG NO

69209

SHEET
1 OF 1

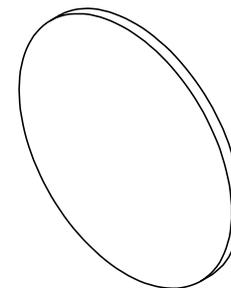
ALL DIMS IN

mm

NOTES:

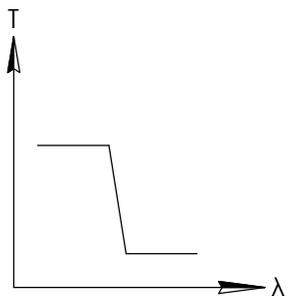
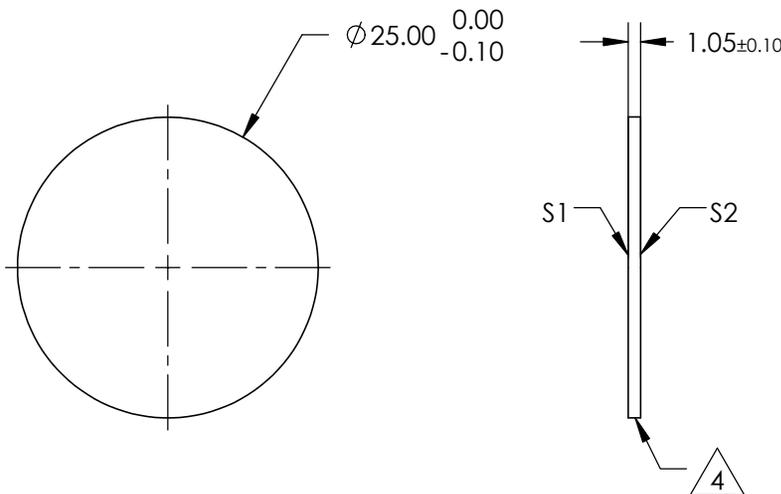
**FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING**

1. SUBSTRATE
 2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
 3. COATING (APPLY ACROSS COATING APERTURE)
ENVIRONMENTAL DURABILITY:
PHYSICAL DURABILITY:
PERFORMANCE SPECIFICATIONS:
T(avg): >85% FROM 465 - 865nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 465 - 865nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 960 - 1170nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 960 - 1170nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 900nm @ 45° AOI
- S1: HARD COATED
S2: SINGLE LAYER MgF2



4. FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm $\leq \frac{1}{4} \lambda$
7. ROHS COMPLIANT



SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	Ø22.00	Ø22.00
COATING APERTURE	Ø24.00	Ø24.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EO® Edmund Optics®

THIRD ANGLE
PROJECTION



TITLE

Ø25mm, 900nm DICHROIC SHORTPASS FILTER

DWG NO

69210

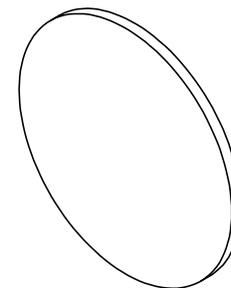
SHEET
1 OF 1

ALL DIMS IN

mm

NOTES:

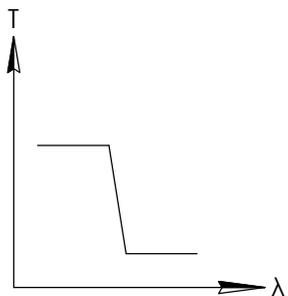
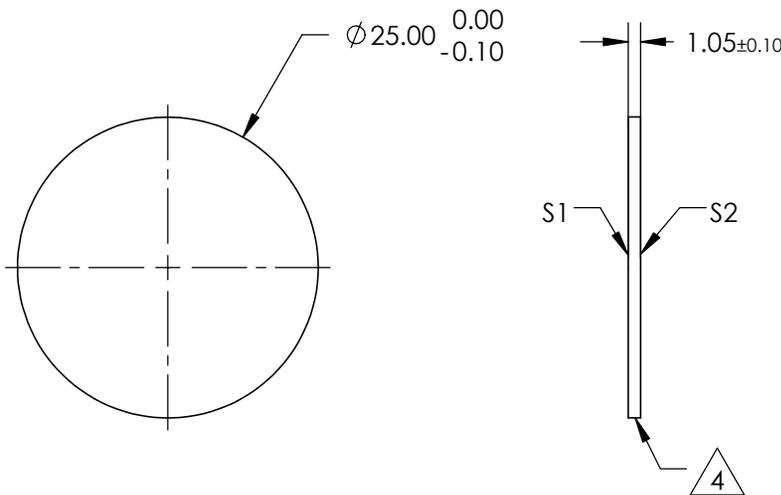
**FOR INFORMATION ONLY:
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PARTS TO THIS DRAWING**



1. SUBSTRATE
 2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
 3. COATING (APPLY ACROSS COATING APERTURE)
ENVIRONMENTAL DURABILITY:
PHYSICAL DURABILITY:
PERFORMANCE SPECIFICATIONS:
T(avg): >85% FROM 495 - 912nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 495 - 912nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 997 - 1235nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 997 - 1235nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 950nm @ 45° AOI
- S1: HARD COATED
S2: SINGLE LAYER MgF2

 FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm $\leq \frac{1}{4} \lambda$
7. ROHS COMPLIANT



SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	$\varnothing 22.00$	$\varnothing 22.00$
COATING APERTURE	$\varnothing 24.00$	$\varnothing 24.00$
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

 **Edmund Optics®**

THIRD ANGLE
PROJECTION



TITLE

$\varnothing 25\text{mm}$, 950nm DICHROIC SHORTPASS FILTER

DWG NO

86688

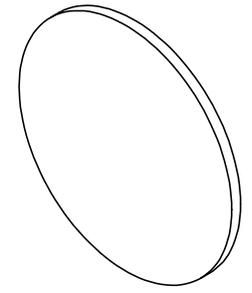
SHEET
1 OF 1

ALL DIMS IN

mm

NOTES:

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

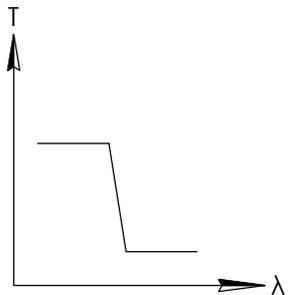
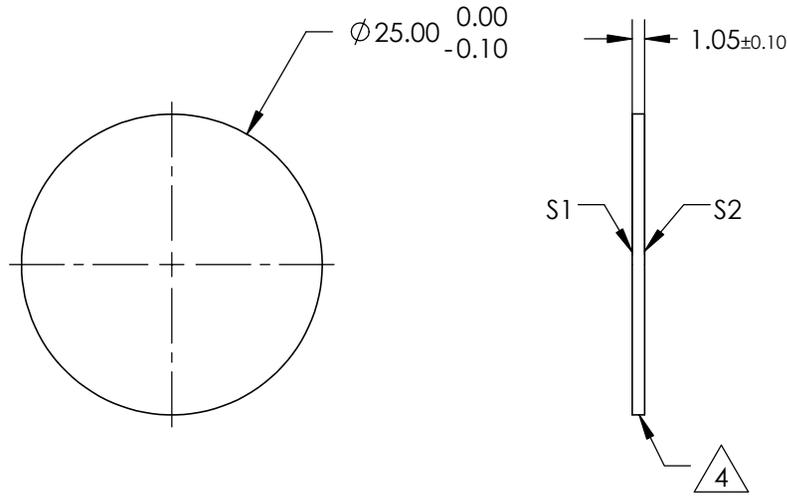


1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
ENVIRONMENTAL DURABILITY:
PHYSICAL DURABILITY:
PERFORMANCE SPECIFICATIONS:
T(avg): >85% FROM 520 - 960nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 520 - 960nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 1050 - 1300nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 1050 - 1300nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 1000nm @ 45° AOI

S1: HARD COATED
S2: SINGLE LAYER MgF2

FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm $\leq \frac{1}{4} \lambda$
7. ROHS COMPLIANT

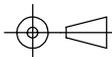


SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	$\varnothing 22.00$	$\varnothing 22.00$
COATING APERTURE	$\varnothing 24.00$	$\varnothing 24.00$
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE
PROJECTION



ALL DIMS IN

mm

Edmund Optics®

TITLE

$\varnothing 25\text{mm}$, 1000nm DICHROIC SHORTPASS
FILTER

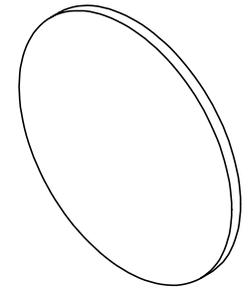
DWG NO

86689

SHEET
1 OF 1

NOTES:

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

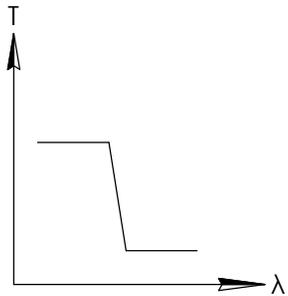
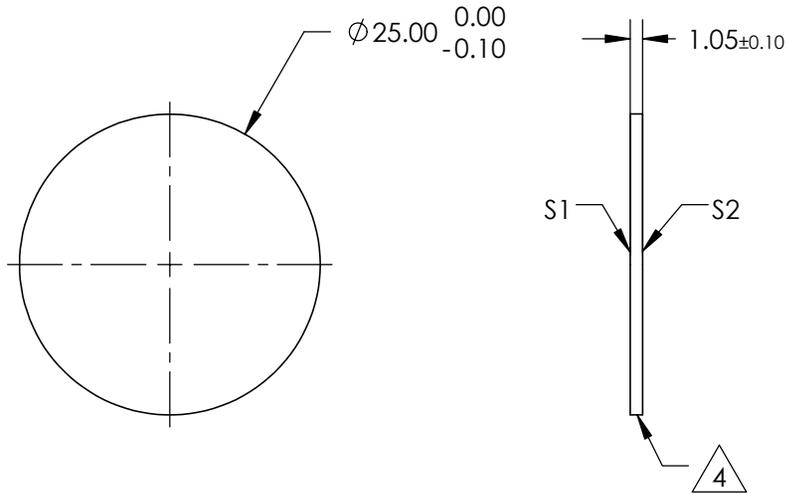


1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
ENVIRONMENTAL DURABILITY:
PHYSICAL DURABILITY:
PERFORMANCE SPECIFICATIONS:
T(avg): >85% FROM 546 - 1008nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 546 - 1008nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 1102 - 1365nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 1102 - 1365nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 1050nm @ 45° AOI

S1: HARD COATED
S2: SINGLE LAYER MgF2

FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm $\leq \frac{1}{4} \lambda$
7. ROHS COMPLIANT

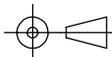


SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	Ø22.00	Ø22.00
COATING APERTURE	Ø24.00	Ø24.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE
PROJECTION



ALL DIMS IN

mm

Edmund Optics®

TITLE

Ø25mm, 1050nm DICHROIC SHORTPASS
FILTER

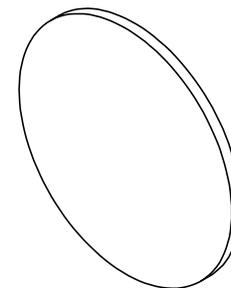
DWG NO

86690

SHEET
1 OF 1

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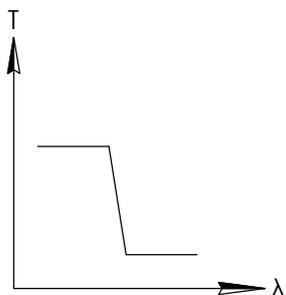
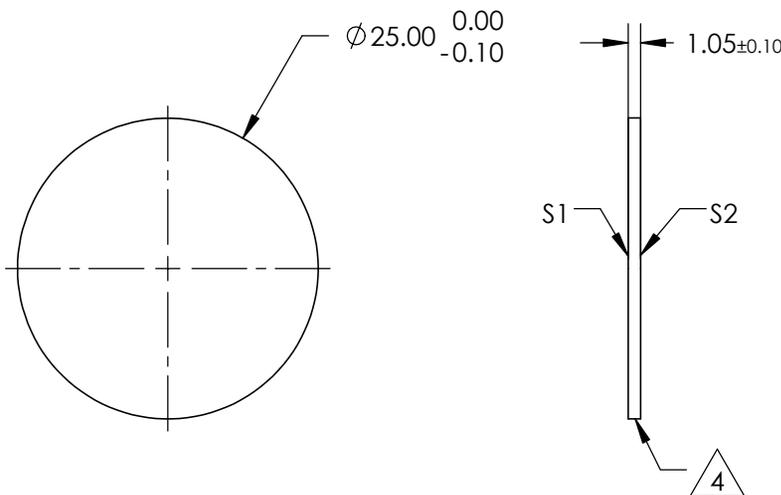
**FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING**



1. SUBSTRATE
 2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
 3. COATING (APPLY ACROSS COATING APERTURE)
ENVIRONMENTAL DURABILITY:
PHYSICAL DURABILITY:
PERFORMANCE SPECIFICATIONS:
T(avg): >85% FROM 572 - 1056nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 572 - 1056nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 1155 - 1430nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 1155 - 1430nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 1100nm @ 45° AOI
- S1: HARD COATED
S2: SINGLE LAYER MgF2

FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm $\leq \frac{1}{4} \lambda$
7. ROHS COMPLIANT



SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	Ø22.00	Ø22.00
COATING APERTURE	Ø24.00	Ø24.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

Edmund Optics®

THIRD ANGLE
PROJECTION



TITLE

Ø25mm, 1100nm DICHROIC SHORTPASS
FILTER

ALL DIMS IN

mm

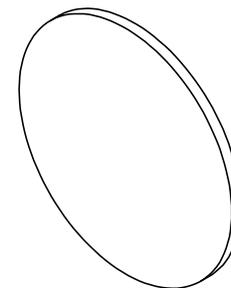
DWG NO

86691

SHEET
1 OF 1

NOTES:

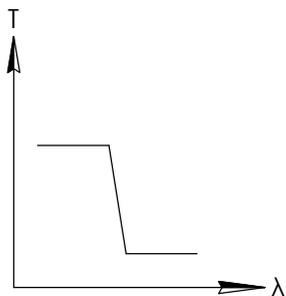
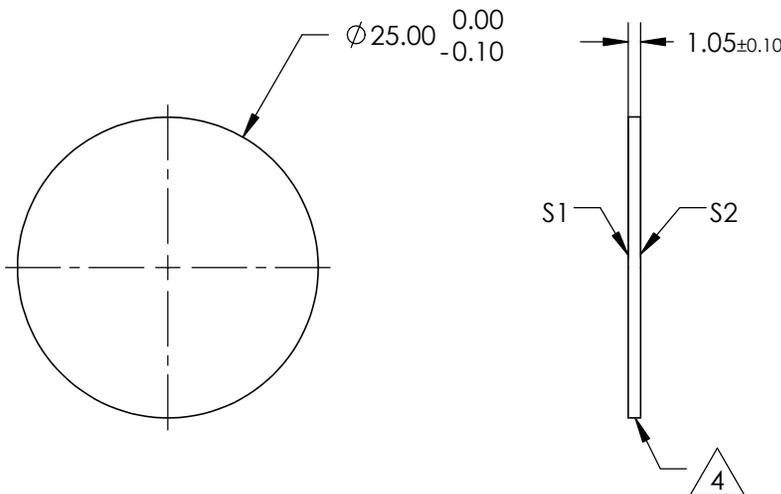
**FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING**



1. SUBSTRATE
 2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
 3. COATING (APPLY ACROSS COATING APERTURE)
ENVIRONMENTAL DURABILITY:
PHYSICAL DURABILITY:
PERFORMANCE SPECIFICATIONS:
T(avg): >85% FROM 598 - 1104nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 598 - 1104nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 1207 - 1495nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 1207 - 1495nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 1150nm @ 45° AOI
- S1: HARD COATED
S2: SINGLE LAYER MgF2

 FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm $\leq \frac{1}{4} \lambda$
7. ROHS COMPLIANT



SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	Ø22.00	Ø22.00
COATING APERTURE	Ø24.00	Ø24.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE
PROJECTION



ALL DIMS IN

mm

 **Edmund Optics®**

TITLE

Ø25mm, 1150nm DICHROIC SHORTPASS
FILTER

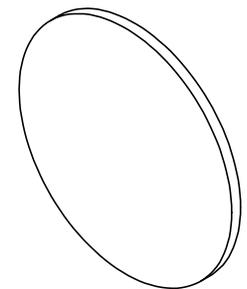
DWG NO

86692

SHEET
1 OF 1

NOTES:

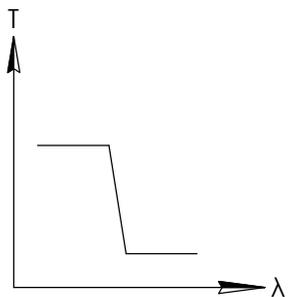
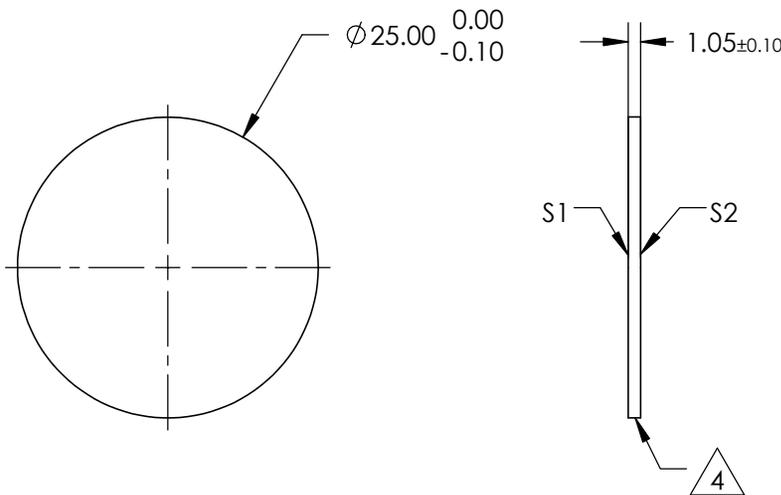
**FOR INFORMATION ONLY:
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PARTS TO THIS DRAWING**



1. SUBSTRATE
 2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
 3. COATING (APPLY ACROSS COATING APERTURE)
ENVIRONMENTAL DURABILITY:
PHYSICAL DURABILITY:
PERFORMANCE SPECIFICATIONS:
T(avg): >85% FROM 624 - 1152nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 624 - 1152nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 1260 - 1560nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 1260 - 1560nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 1200nm @ 45° AOI
- S1: HARD COATED
S2: SINGLE LAYER MgF2

 FINE GRIND SURFACE

5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm $\leq \frac{1}{4} \lambda$
7. ROHS COMPLIANT



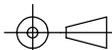
SHORTPASS FILTER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	PLANO	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	Ø22.00	Ø22.00
COATING APERTURE	Ø24.00	Ø24.00
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

 **Edmund Optics®**

THIRD ANGLE
PROJECTION



TITLE

Ø25mm, 1200nm DICHROIC SHORTPASS
FILTER

ALL DIMS IN

mm

DWG NO

86693

SHEET
1 OF 1