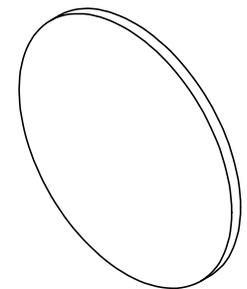


NOTES:

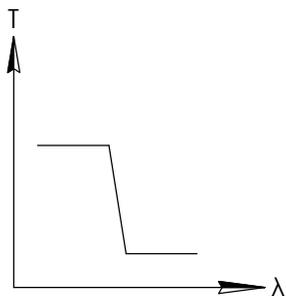
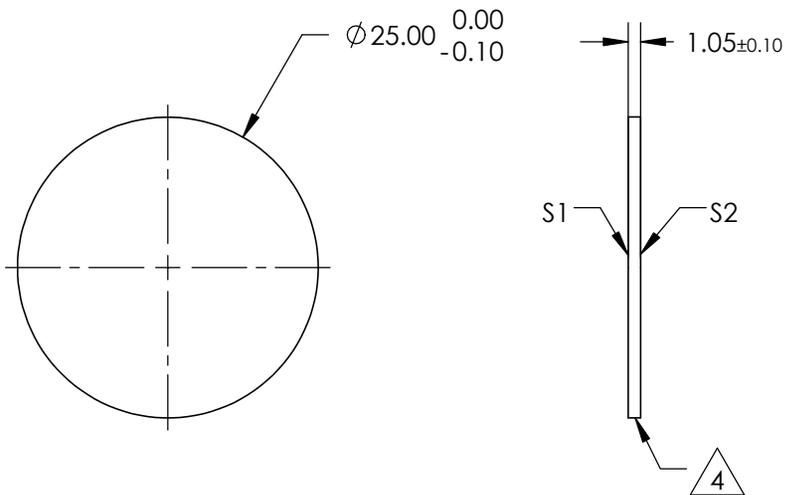
**FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING**



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 325 - 385nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 325 - 385nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 420 - 485nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 420 - 485nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 400nm @ 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

$\varnothing 25\text{mm}$, 400nm DICHROIC SHORTPASS FILTER

DWG NO

69200

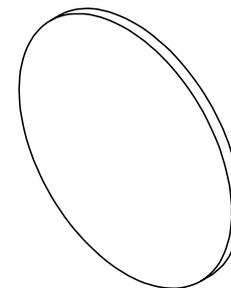
SHEET
1 OF 1

ALL DIMS IN

mm

NOTES:

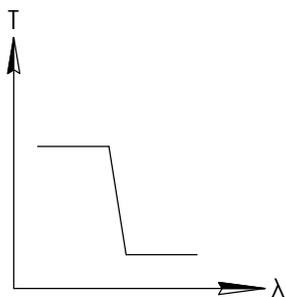
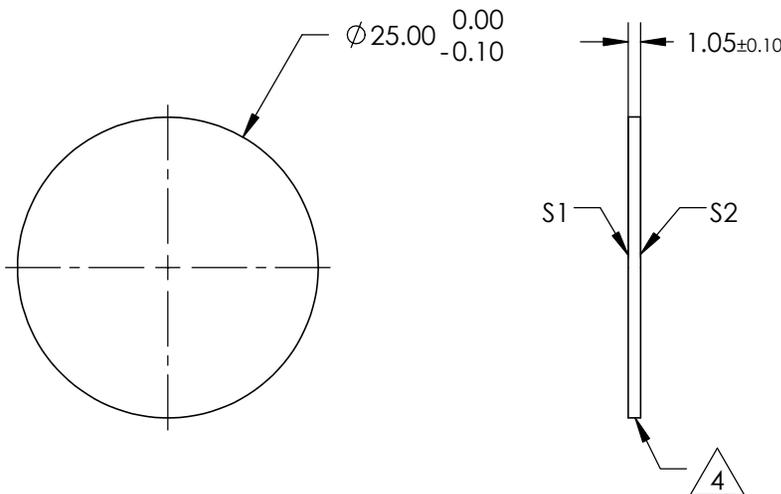
**FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING**



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 325 - 430nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 325 - 430nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 470 - 545nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 470 - 545nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 450nm @ 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

$\varnothing 25\text{mm}$, 450nm DICHROIC SHORTPASS FILTER

DWG NO

69201

ALL DIMS IN

mm

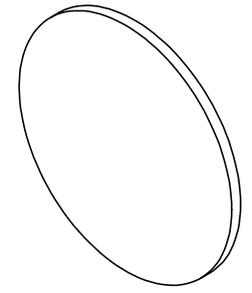
SHEET
1 OF 1

NOTES:

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

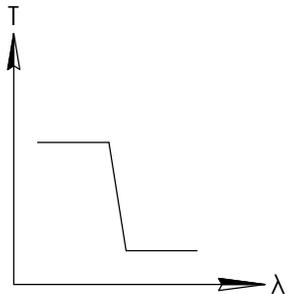
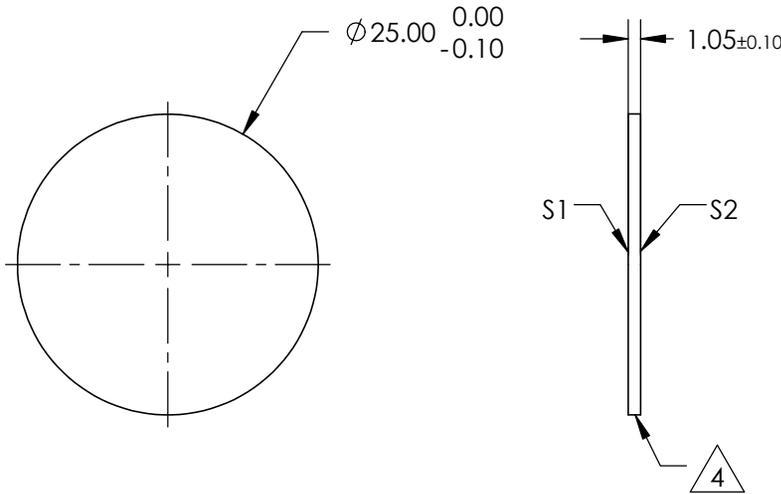
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
ENVIRONMENTAL DURABILITY:
PHYSICAL DURABILITY:
PERFORMANCE SPECIFICATIONS:
T(avg): >85% FROM 325 - 480nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 325 - 480nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 520 - 610nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 520 - 610nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 500nm @ 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



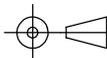
SHORTPASS FILTER

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

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THIRD ANGLE
PROJECTION



TITLE

Ø25mm, 500nm DICHROIC SHORTPASS FILTER

DWG NO

69202

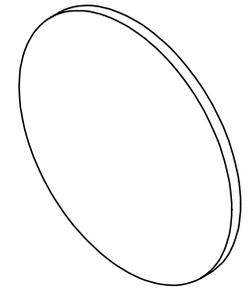
SHEET
1 OF 1

ALL DIMS IN

mm

NOTES:

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

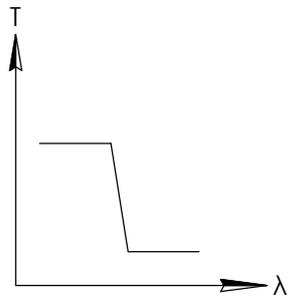
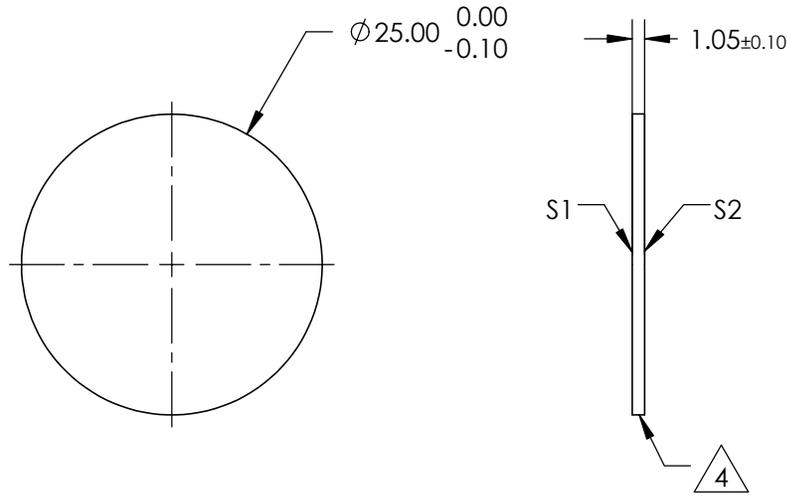


1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
ENVIRONMENTAL DURABILITY:
PHYSICAL DURABILITY:
PERFORMANCE SPECIFICATIONS:
T(avg): >85% FROM 400 - 530nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 400 - 530nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 575 - 725nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 575 - 725nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 550nm @ 45° AOI

S1: HARD COATED
S2: SINGLE LAYER MgF2

 FINE GRIND SURFACE

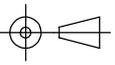
5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm $\leq \frac{1}{4} \lambda$
7. ROHS COMPLIANT



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®**

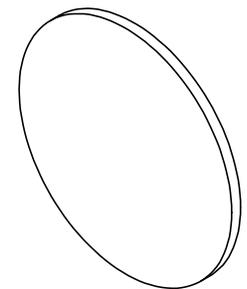
TITLE: Ø25mm, 550nm DICHROIC SHORTPASS FILTER

DWG NO: 69203

SHEET 1 OF 1

NOTES:

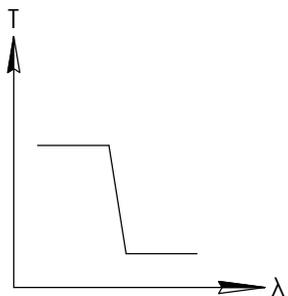
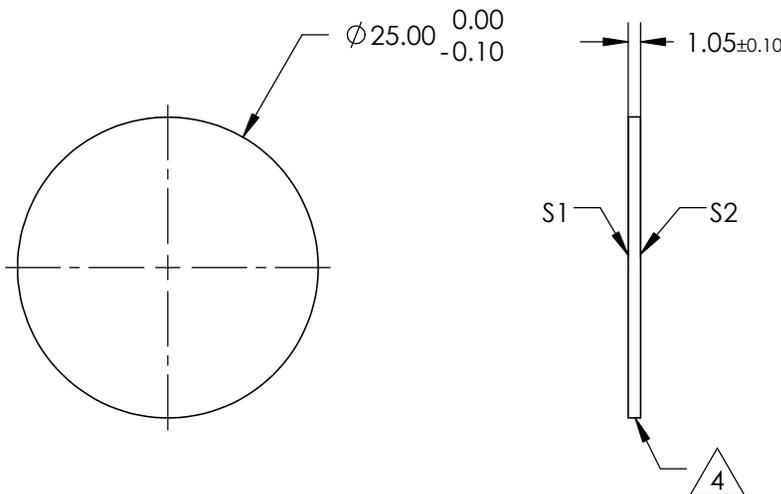
**FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING**



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 - 580nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 400 - 580nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 625 - 795nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 625 - 795nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 600nm @ 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

$\varnothing 25\text{mm}$, 600nm DICHROIC SHORTPASS FILTER

DWG NO

69204

SHEET
1 OF 1

ALL DIMS IN

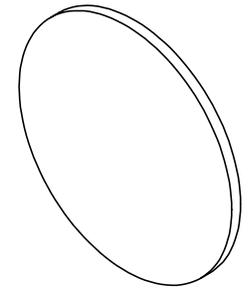
mm

NOTES:

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

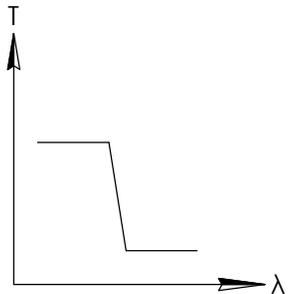
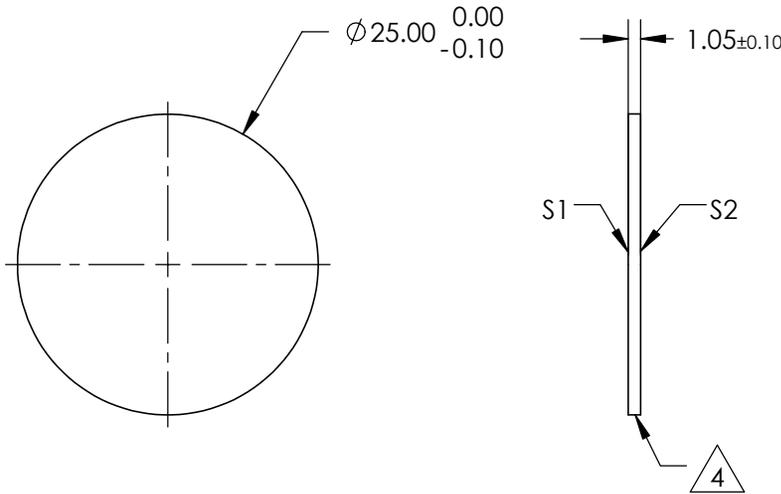
1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)
ENVIRONMENTAL DURABILITY:
PHYSICAL DURABILITY:
PERFORMANCE SPECIFICATIONS:
T(avg): >85% FROM 400 - 630nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 400 - 630nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 675 - 850nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 675 - 850nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 650nm @ 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

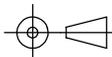


SHORTPASS FILTER

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

THIRD ANGLE
PROJECTION



ALL DIMS IN

mm

EO® Edmund Optics®

TITLE

Ø25mm, 650nm DICHROIC SHORTPASS FILTER

DWG NO

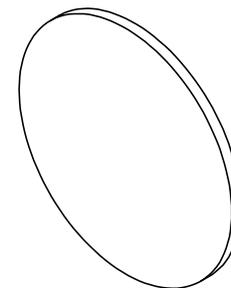
69205

SHEET
1 OF 1

NOTES:

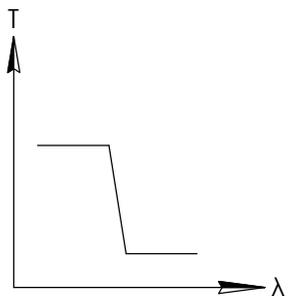
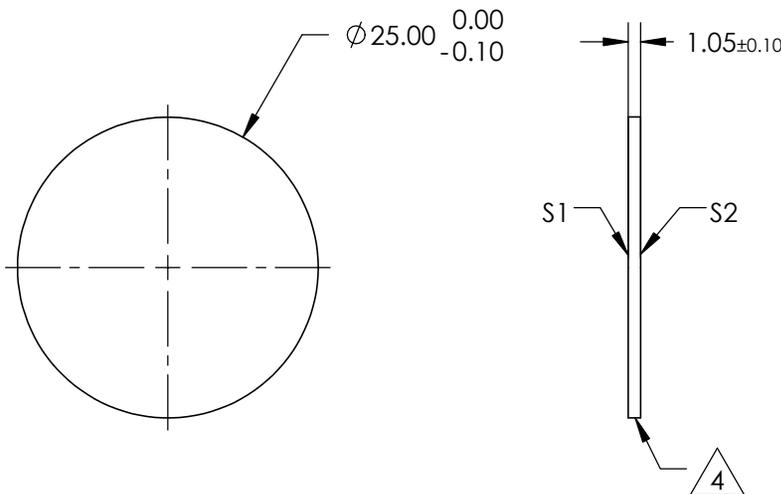
**FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING**

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 - 680nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 400 - 680nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 725 - 900nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 725 - 900nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 700nm @ 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, 700nm DICHROIC SHORTPASS FILTER

DWG NO

69206

SHEET
1 OF 1

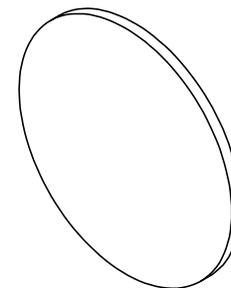
ALL DIMS IN

mm

NOTES:

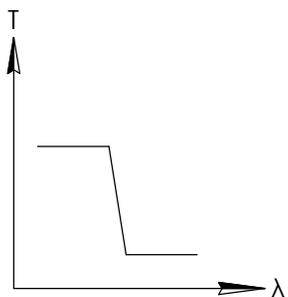
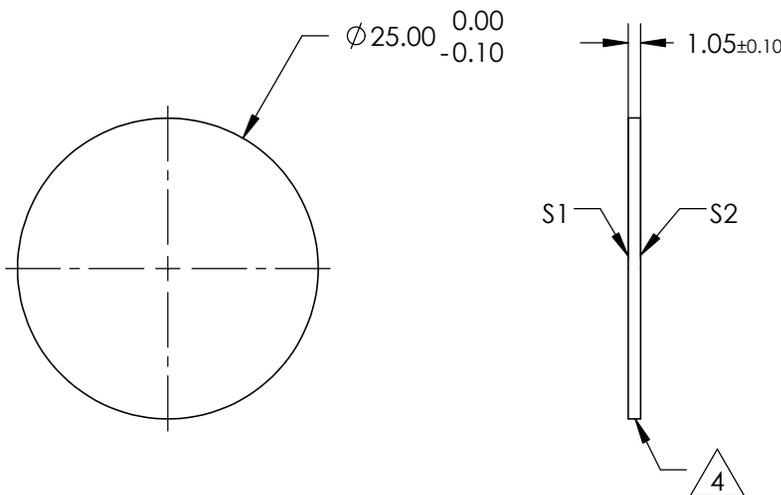
**FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING**

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 400 - 725nm FOR RANDOM POLARIZATION @ 45° AOI
T(abs): >80% FROM 400 - 725nm FOR ALL POLARIZATIONS @ 45° AOI
R(avg): >97% FROM 800 - 990nm FOR RANDOM POLARIZATION @ 45° AOI
R(abs): >95% FROM 800 - 990nm FOR ALL POLARIZATIONS @ 45° AOI
T(abs): = 50% 750nm @ 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, 750nm DICHROIC SHORTPASS FILTER

DWG NO

69207

ALL DIMS IN

mm

SHEET
1 OF 1