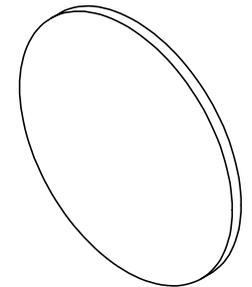


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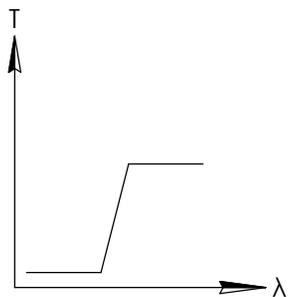
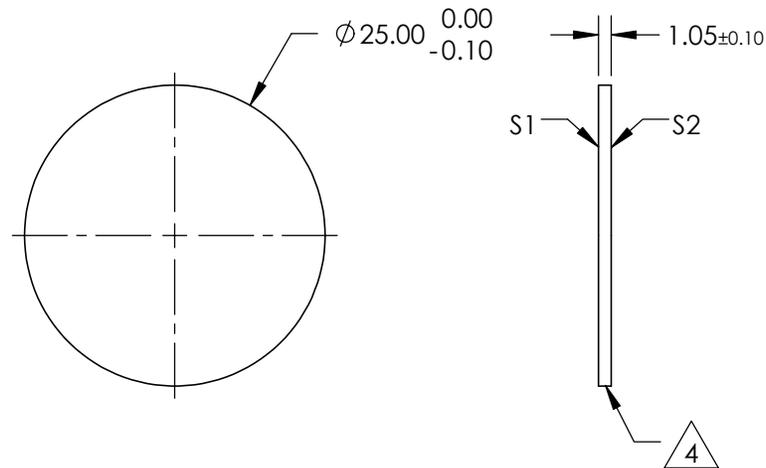
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**



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 830 - 1600nm FOR RANDOM POLARIZATION @ 45° AOI  
T(abs): >80% FROM 830 - 1600nm FOR ALL POLARIZATIONS @ 45° AOI  
R(avg): >97% FROM 600 - 760nm FOR RANDOM POLARIZATION @ 45° AOI  
R(abs): >95% FROM 600 - 760nm FOR ALL POLARIZATIONS @ 45° AOI  
T(abs): = 50% 800nm @ 45° AOI
- S1: HARD COATED  
S2: SINGLE LAYER MgF2

 FINE GRIND SURFACE

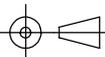
5. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
6. TRANSMITTED WAVEFRONT DISTORTION RMS@ 632.8nm  $\leq \frac{1}{4} \lambda$
7. ROHS COMPLIANT



LONGPASS FILTER

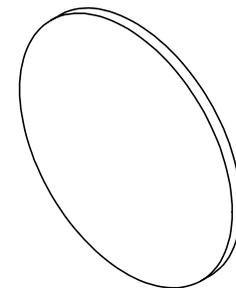
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

	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

		TITLE Ø25mm, 800nm DICHROIC LONGPASS FILTER	
		DWG NO 69894	SHEET 1 OF 1
THIRD ANGLE PROJECTION 	ALL DIMS IN mm		

NOTES:

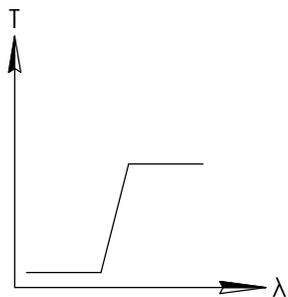
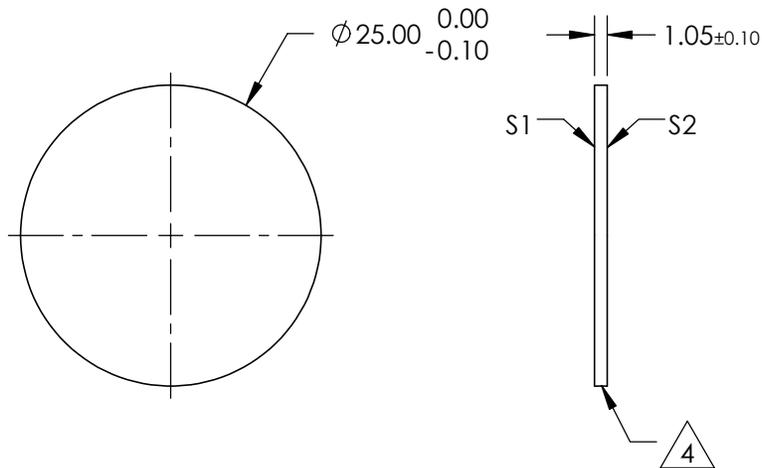
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**



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 880 - 1600nm FOR RANDOM POLARIZATION @ 45° AOI  
T(abs): >80% FROM 880 - 1600nm FOR ALL POLARIZATIONS @ 45° AOI  
R(avg): >97% FROM 635 - 805nm FOR RANDOM POLARIZATION @ 45° AOI  
R(abs): >95% FROM 635 - 805nm 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



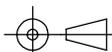
LONGPASS FILTER

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 LONGPASS FILTER

DWG NO

69895

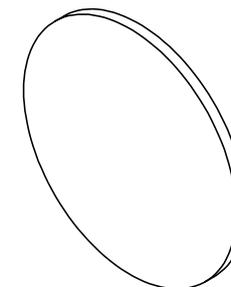
SHEET  
1 OF 1

ALL DIMS IN

mm

NOTES:

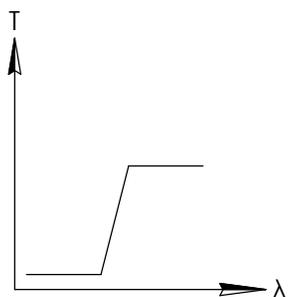
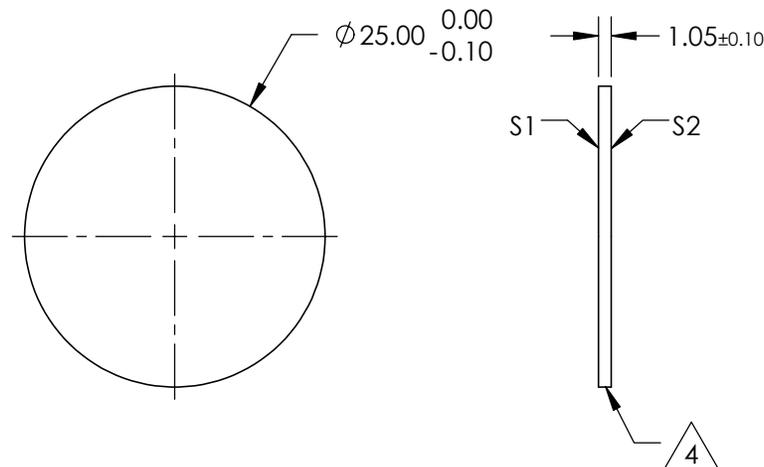
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**



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 935 - 1600nm FOR RANDOM POLARIZATION @ 45° AOI  
T(abs): >80% FROM 935 - 1600nm FOR ALL POLARIZATIONS @ 45° AOI  
R(avg): >97% FROM 675 - 855nm FOR RANDOM POLARIZATION @ 45° AOI  
R(abs): >95% FROM 675 - 855nm FOR ALL POLARIZATIONS @ 45° AOI  
T(abs): = 50% 900nm @ 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



LONGPASS 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, 900nm DICHROIC LONGPASS FILTER

ALL DIMS IN

mm

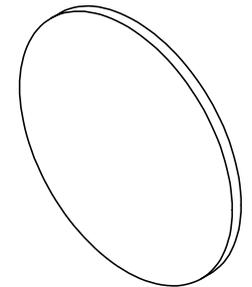
DWG NO

69896

SHEET  
1 OF 1

NOTES:

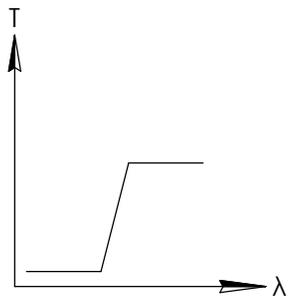
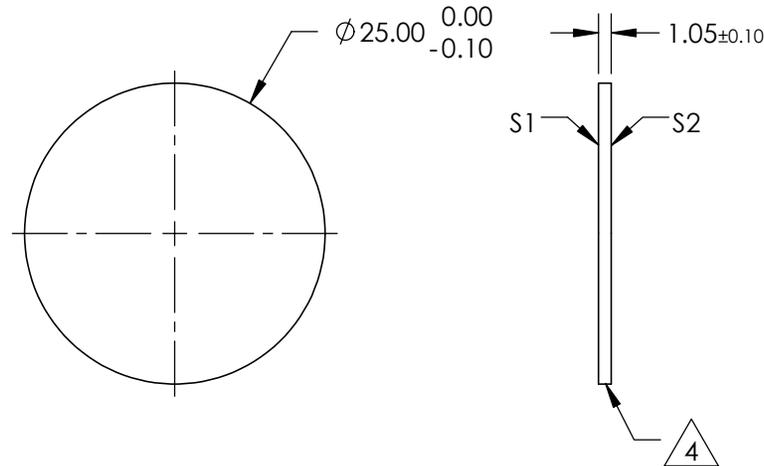
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**



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 985 - 1600nm FOR RANDOM POLARIZATION @ 45° AOI  
T(abs): >80% FROM 985 - 1600nm FOR ALL POLARIZATIONS @ 45° AOI  
R(avg): >97% FROM 715 - 900nm FOR RANDOM POLARIZATION @ 45° AOI  
R(abs): >95% FROM 715 - 900nm 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



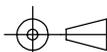
LONGPASS FILTER

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, 950nm DICHROIC LONGPASS FILTER

ALL DIMS IN

mm

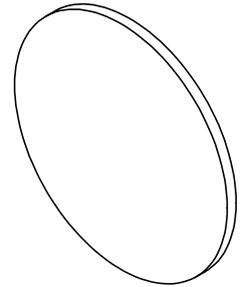
DWG NO

87039

SHEET  
1 OF 1

NOTES:

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

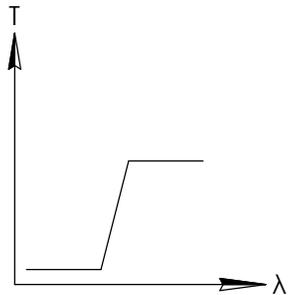
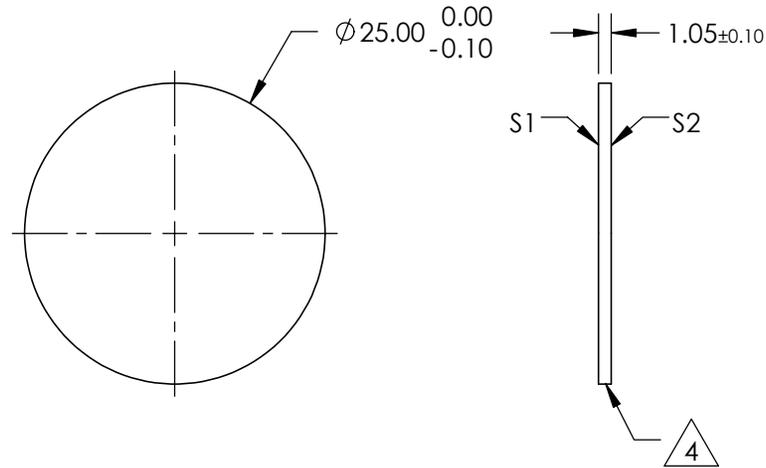


1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
ENVIRONMENTAL DURABILITY:  
PHYSICAL DURABILITY:  
PERFORMANCE SPECIFICATIONS:  
T(avg): >85% FROM 1035 - 1600nm FOR RANDOM POLARIZATION @ 45° AOI  
T(abs): >80% FROM 1035 - 1600nm FOR ALL POLARIZATIONS @ 45° AOI  
R(avg): >97% FROM 750 - 950nm FOR RANDOM POLARIZATION @ 45° AOI  
R(abs): >95% FROM 750 - 950nm 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



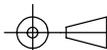
LONGPASS FILTER

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, 1000nm DICHROIC LONGPASS FILTER

ALL DIMS IN

mm

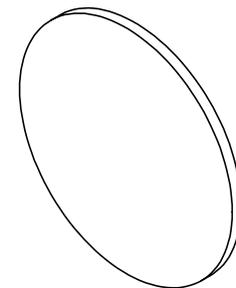
DWG NO

87040

SHEET  
1 OF 1

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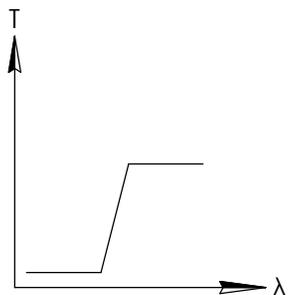
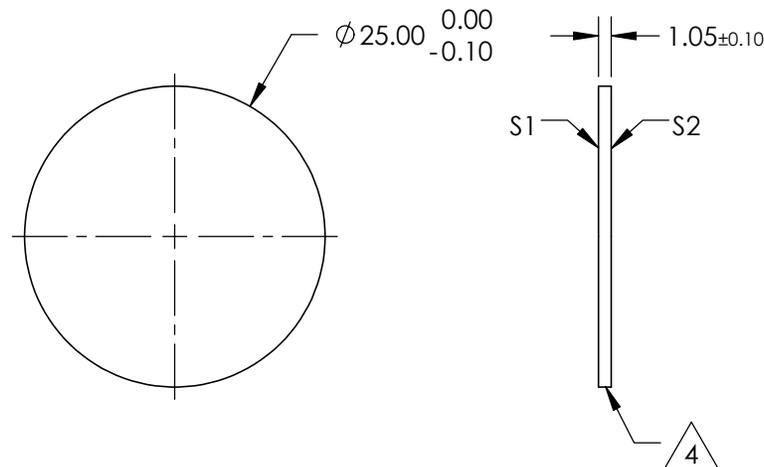
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**



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 1085 - 1600nm FOR RANDOM POLARIZATION @ 45° AOI  
T(abs): >80% FROM 1085 - 1600nm FOR ALL POLARIZATIONS @ 45° AOI  
R(avg): >97% FROM 790 - 1000nm FOR RANDOM POLARIZATION @ 45° AOI  
R(abs): >95% FROM 790 - 1000nm 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



LONGPASS 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

$\varnothing 25\text{mm}$ , 1050nm DICHROIC LONGPASS FILTER

ALL DIMS IN

mm

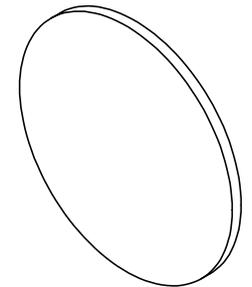
DWG NO

87041

SHEET  
1 OF 1

NOTES:

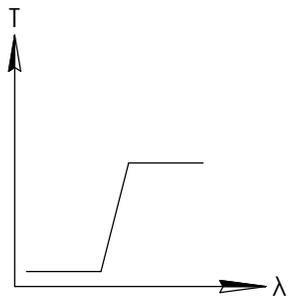
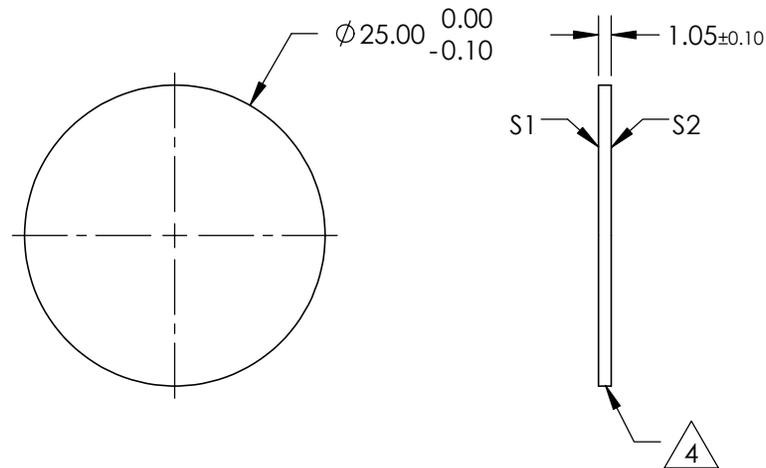
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**



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 1135 - 1600nm FOR RANDOM POLARIZATION @ 45° AOI  
T(abs): >80% FROM 1135 - 1600nm FOR ALL POLARIZATIONS @ 45° AOI  
R(avg): >97% FROM 825 - 1045nm FOR RANDOM POLARIZATION @ 45° AOI  
R(abs): >95% FROM 825 - 1045nm 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



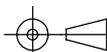
LONGPASS FILTER

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 LONGPASS FILTER

ALL DIMS IN

mm

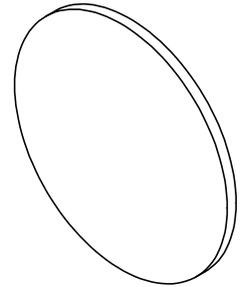
DWG NO

87042

SHEET  
1 OF 1

NOTES:

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

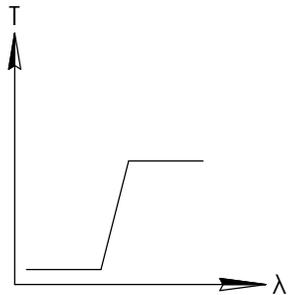
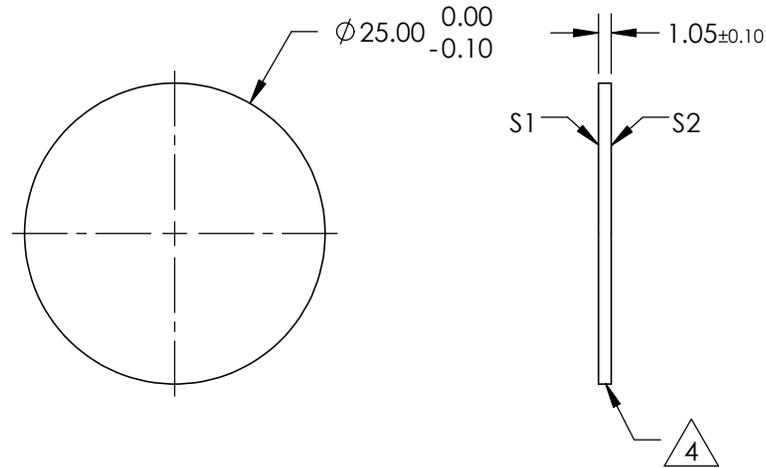


1. SUBSTRATE
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN 5 arcsec
3. COATING (APPLY ACROSS COATING APERTURE)  
ENVIRONMENTAL DURABILITY:  
PHYSICAL DURABILITY:  
PERFORMANCE SPECIFICATIONS:  
T(avg): >85% FROM 1190 - 1600nm FOR RANDOM POLARIZATION @ 45° AOI  
T(abs): >80% FROM 1190 - 1600nm FOR ALL POLARIZATIONS @ 45° AOI  
R(avg): >97% FROM 875 - 1095nm FOR RANDOM POLARIZATION @ 45° AOI  
R(abs): >95% FROM 875 - 1095nm 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



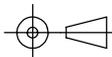
LONGPASS FILTER

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, 1150nm DICHROIC LONGPASS FILTER

ALL DIMS IN

mm

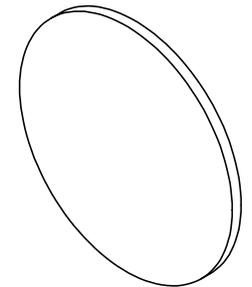
DWG NO

87043

SHEET  
1 OF 1

NOTES:

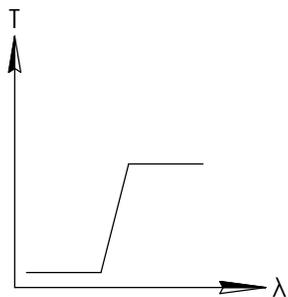
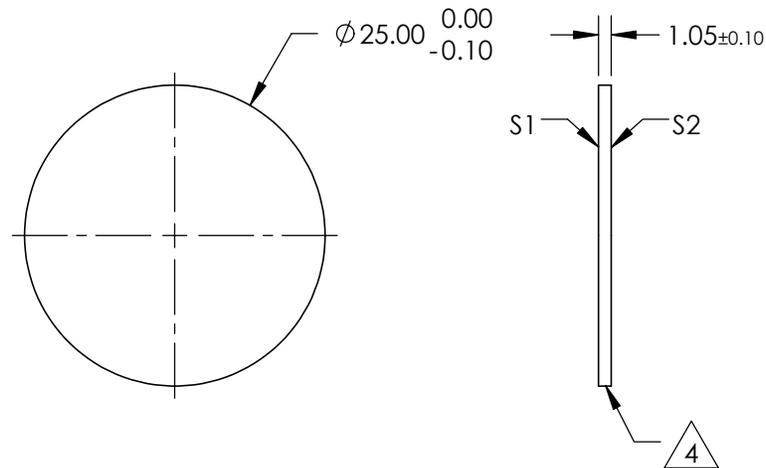
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**



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 1240 - 1600nm FOR RANDOM POLARIZATION @ 45° AOI  
T(abs): >80% FROM 1240 - 1600nm FOR ALL POLARIZATIONS @ 45° AOI  
R(avg): >97% FROM 920 - 1160nm FOR RANDOM POLARIZATION @ 45° AOI  
R(abs): >95% FROM 920 - 1160nm 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



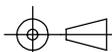
LONGPASS FILTER

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 LONGPASS FILTER

ALL DIMS IN

mm

DWG NO

87044

SHEET  
1 OF 1