

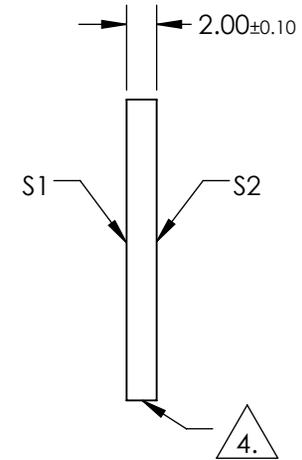
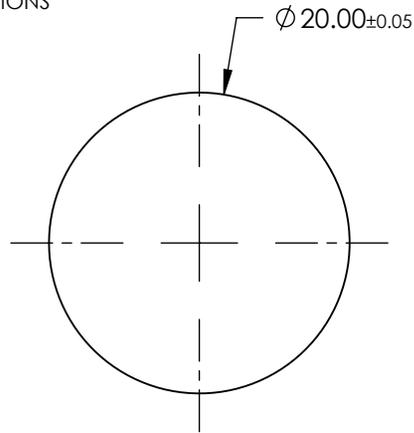
NOTES:

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

1. SUBSTRATE  
SAPPHIRE (Al<sub>2</sub>O<sub>3</sub>)
2. SURFACE S2 TO BE PARALLEL WITH SURFACE S1 TO WITHIN ≤3.5 ARCMIN
3. COATING (APPLY ACROSS CLEAR APERTURE)
  - S1: ¼ WAVE MgF<sub>2</sub> @ 550nm  
R(AVG) < 1.75% FROM 400-700nm (N-BK7)
  - S2: ¼ WAVE MgF<sub>2</sub> @ 550nm  
R(AVG) < 1.75% FROM 400-700nm (N-BK7)

 FINE GRIND SURFACE

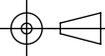
4. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS  
APPLY ACROSS CLEAR APERTURE
5. ROHS COMPLIANT



	S1	S2
SHAPE	PLANO	PLANO
CLEAR APERTURE	Ø18	Ø18
SURFACE FLATNESS	2λ	2λ
SURFACE ROUGHNESS	0.1 MICRONS PER INCH	0.1 MICRONS PER INCH
SURFACE QUALITY	80-50	80-50
BIREFRINGENCE (n <sub>o</sub> -n <sub>e</sub> )	0.008	0.008
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

 **Edmund Optics®**

THIRD ANGLE PROJECTION 	TITLE	20mm DIAMETER, MgF <sub>2</sub> COATED SAPPHIRE WINDOW	
	ALL DIMS IN	mm	DWG NO 36457
			SHEET 1 OF 1