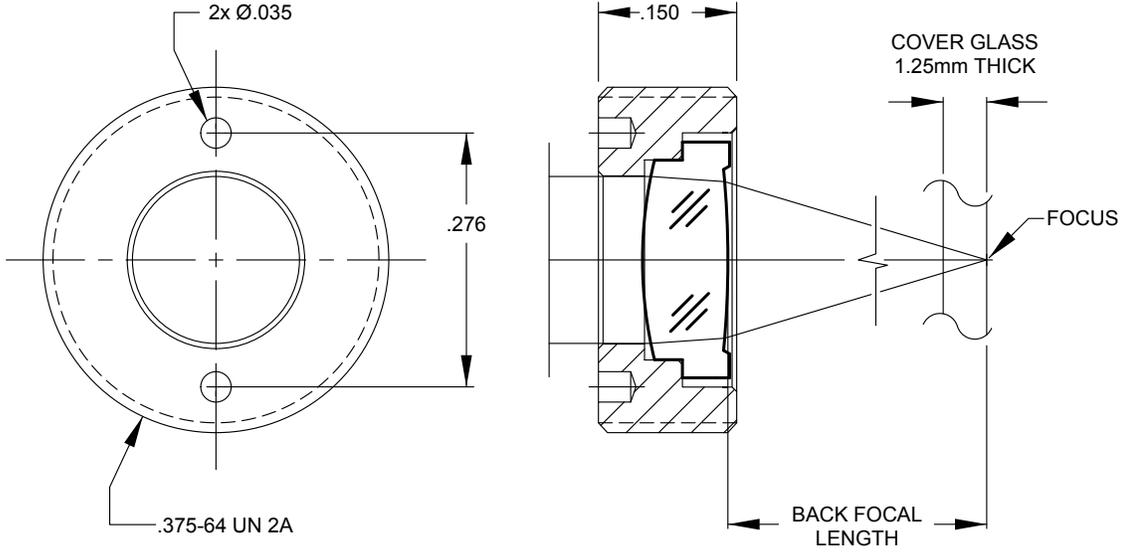


REV  
-  
SHT  
1  
DWG NO.  
302-0395-780

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

**SCHEMATIC DIAGRAM:**

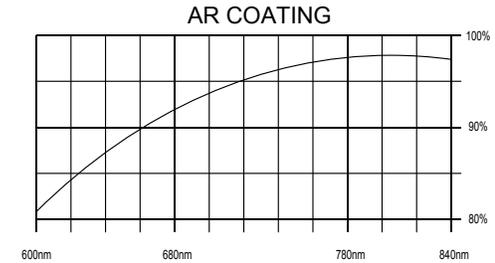
NOTE: MECHANICAL DIMENSION ARE IN INCHESS



**SPECIFICATIONS:**

NOTE: LENS SPECIFICATIONS ARE IN MILLIMETERS  
DESCRIPTION: OBJECTIVE LENS, PLASTIC

1. WAVELENGTH: 780nm
2. FOCAL LENGTH: 16mm
- 2a. BACK FOCAL LENGTH (w/o COVER GLASS IN PATH: 14.674mm
- 2b. BACK FOCAL LENGTH (w/ .25mm LASER DIODE COVER GLASS IN PATH: 14.759mm
3. NUMERICAL APERTURE: 0.144
4. CLEAR APERTURE: 4.60mm
5. F#: 3.48
6. WORKING DISTANCE: ~13.56mm
7. IMAGE/OBJECT DISTANCE: INFINITE
8. TRANSMISSION: >97%
9. COVER GLASS THICKNESS: 1.25mm
10. COVER GLASS REFRACTIVE INDEX: 1.51
11. IMAGE FIELD DIAMETER: .559mm
12. WORKING TEMPERATURE: -10°C TO +65°C



LENS TRANSMISSION VS. WAVELENGTH

CLASSIFICATION <b>PRODUCTION</b>	
CONTRACT/FILENAME 3020395-DWG	
DRAWN BY RS	DATE 04APR99
APPROVED BY	DATE
GENERAL TOLERANCE: METRIC ±0.1 INCHES ±.005	

<b>OPTIMA PRECISION INC.</b>			
<b>ASPHERIC PLASTIC OBJECTIVE LENS</b>			
<b>A</b>	FMSC NO	DRAWING NO <b>302-0395-780</b>	REV --
SCALE 5x	04APR99	SHEET 1 OF 1	