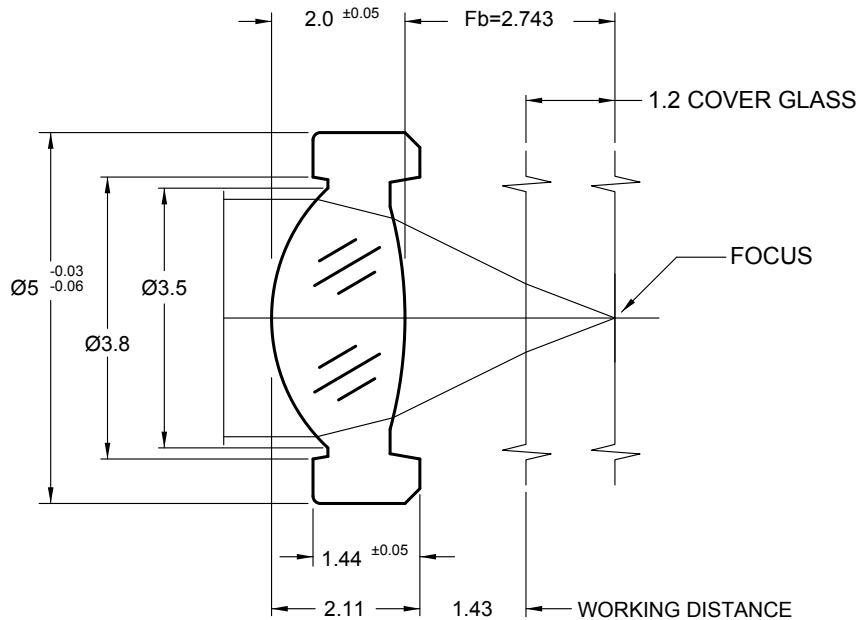


REV  
A  
SHT  
1  
DWG NO.  
300-0380-780

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

**SCHEMATIC DIAGRAM:**

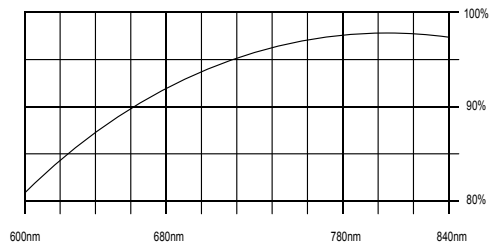


**SPECIFICATIONS:**

OBJECTIVE LENS, PLASTIC

1. WAVELENGTH: 780nm
2. FOCAL LENGTH: 3.4mm
3. BACK FOCAL LENGTH: 2.743mm
- 3a. BACK FOCAL LENGTH w/o COVER GLASS: 2.318mm
- 3b. BACK FOCAL LENGTH w/ LASER DIODE COVER GLASS @ 635nm: 2.402mm
4. NUMERICAL APERTURE: 0.471
5. CLEAR APERTURE: 3.20mm
6. F#: 1.06
7. WORKING DISTANCE: 1.43mm
8. IMAGE/OBJECT DISTANCE: INFINITE
9. TRANSMISSION: >95%
10. COVER GLASS THICKNESS: 1.2mm
11. COVER GLASS REFRACTIVE INDEX: 1.55
12. WEIGHT: <0.0326 grams
13. WORKING TEMPERATURE: -10°C TO +65°C
14. TYPICAL WAVEFRONT ABERRATION  
ON AXIS: <0.026 RMS @ 0.075mm IMAGE HEIGHT
15. FIELD SIZE DIAMETER: 0.150mm

AR COATING



LENS TRANSMISSION VS. WAVELENGTH

NOTE: ALL DIMENSIONS ARE IN MILLIMETERS

CLASSIFICATION PRODUCTION	
CONTRACT/FILENAME 3000380.DWG	
DRAWN BY RS	DATE 18JAN95
APPROVED BY	DATE
GENERAL TOLERANCE: ±0.1	

<b>OPTIMA PRECISION INC.</b>			
<b>ASPHERIC PLASTIC OBJECTIVE LENS</b>			
<b>A</b>	FMSC NO	DRAWING NO <b>300-0380-780</b>	REV <b>A</b>
SCALE 10x	050996	SHEET 1 OF 1	