



OPTICAL SPECIFICATIONS

MATERIAL	OPTICAL GRADE N TYPE MONO CRYSTALLINE SILICON	
	SURFACE R1	SURFACE R2
CLEAR APERTURE	8.9	6.5
POWER (RMG) at 632.8 nm	1	1
IRREGULARITY (FRINGE) at 632.8 nm	1/3	1/3
COSMETIC QUALITY	80-40	60-40
EDGE CHAMFER	NOMINAL CHAMFERING ON EDGES	
ECCENTRICITY	1 min of an arc	

COATINGS : THE FOLLOWING SPECIFICATIONS APPLY TO BOTH SURFACES :

- HIGH DURABILITY AR COATING FROM 3.6-4.9 μm
- SEVERE ABRASION AS PER MIL-C-48497A 4.5.5.1
- SALT SOLUBILITY AS PER MIL-C-48497A 4.5.5.2.3
- HUMIDITY AS PER MIL-C-48497A 4.5.3.2.(4)
- TEMPERATURE AS PER MIL-C-48497A 4.5.4.1.(5)
- SOLUBILITY AND CLEANABILITY AS PER MIL-C-48497A 4.5.4.2.(6)
- ADHESION AS PER MIL-C-48497A 4.5.3.1
- AVERAGE TRANSMISSION ≥ 95% AS MEASURED THROUGH 1 mm THICK WITNESS SAMPLE COATED IN THE SAME COATING RUN

VETTED
(Signature)
 (A.K. GUPTA)
 S.E., IRDE

POLISHED FINE $\diamond\diamond$		GROUND FINE $\nabla\nabla$		AR. COATING \otimes	
MATERIAL : AS GIVEN ABOVE				FINISH : AS GIVEN ABOVE	
		NAME & SIG		DATE	
		DRAWN BY		K S RAMA	
		CHECKED BY		KANCHAN CHANDRA	
		CHECKED BY		RANDEE NANDAL	
		APPROVED BY		P K SHARMA	
		BASED ON			
		USED ON			
⊕	COATINGS	1	<i>Pw</i>	14/10/14	
SYMBOL	ZONE	ISSUE	AUTH.	DATE	
ALL DIMENSIONS ARE IN mm.		TITLE: LENS-3			
		IRDE INSTRUMENTS RESEARCH & DEVELOPMENT ESTABLISHMENT, BEMRA BLUN			
		DRG. NO. 096701030100 012			
		SCALE	NTS	SHT	OF