



OPTICAL SPECIFICATIONS

MATERIAL	OPTICAL GRADE N TYPE MONO CRYSTALLINE SILICON	
	SURFACE R1	SURFACE R2
CLEAR APERTURE	50	48.8
POWER (RING) at 632.8 nm	3	3
IRREGULARITY (FRINGE) at 632.8 nm	1	1
COSMETIC QUALITY	60-40	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
A.K. Gupta
 (A.K. GUPTA)
 S.C.E., IRDE

		POLISHED FINE ◊◊◊		GROUND FINE ∩∩∩		A.R. COATING ⊗	
		MATERIAL : AS ABOVE					
		FINISH : AS ABOVE					
						NAME & SIG.	DATE
						DRAWN BY	K S RAMA
						CHECKED BY	KANCHAN CHANDRA
						CHECKED BY	RANDEE HANBAL
						APPROVED BY	P K SHARMA
						BASED ON	
						USED ON	
⊕	COATINGS	1	<i>Pw</i>	<i>14/10/14</i>			
SYMBOL	ZONE	ISSUE	AUTH.	DATE			
ALL DIMENSIONS ARE IN mm.		TITLE:				IRDE INSTRUMENTS RESEARCH & DEVELOPMENT ESTABLISHMENT, DEBRA DUN	
		LENS NO. 1				DRG. NO. 096701030000 027	
		SCALE		NTS	SHT		OF

