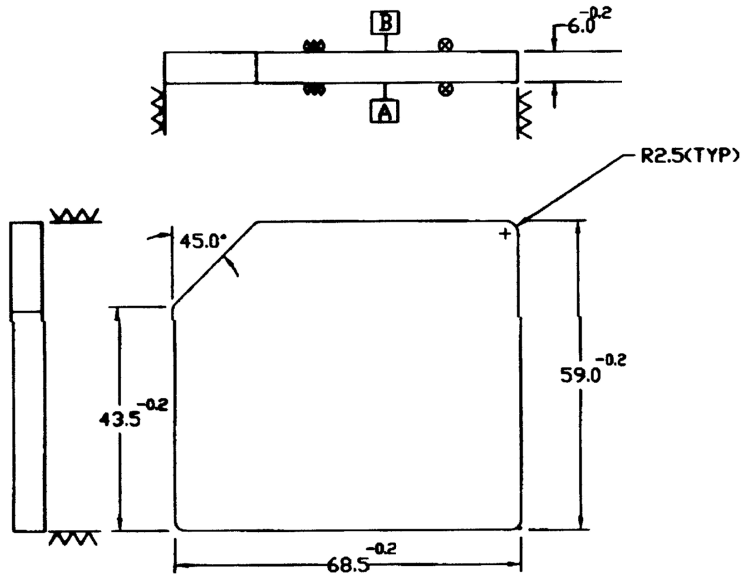

MATERIAL	: OPTICAL GRADE SILICON (N-TYPE MONO CRYSTALLINE) REFRACTIVE INDEX SHALL NOT VARY MORE THAN 20 PPM OVER THE ENTIRE BLANK
SURFACE FLATNESS (PV)	: λ/2 AT 632.8 nm
SURFACE QUALITY	: 60/40
CLEAR APPERATURE	: 80%
PARALLELISM	: < 3 MINUTES OF AN ARC
CHAMFER	: NOMINAL CHAMFERING ON EDGES
⊗COATING	: 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
1mm FROM THE EDGE MAY REMAIN UNCOATED
AVERAGE TRANSMISSION ≥ 95% AS MEASURED THROUGH 6 mm THICK WITNESS SAMPLE COATED IN THE SAME COATING RUN

VETTED
(A.K.GUPTA)
Sc. 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	RANABIR MANDAL	
APPROVED BY	P K SHARMA	
BASED ON		
MIRED ON		

SYMBOL	ZONE	ISSUE	AUTH.	DATE
⊗	COATINGS	1		

ALL DIMENSIONS ARE IN mm

TITLE:
HEAD WINDOW (THERMAL)

IRDE INSTRUMENTS RESEARCH & DEVELOPMENT ESTABLISHMENT, DEHRA DUN

DRG. NO. 0967 02 00 00 00 872

SCALE NTS SHT OF