

A diagram of a rectangular plate. A line from the top-left corner extends upwards and to the left, forming a 30-degree angle with the horizontal. The plate's dimensions are labeled as 2x0.2. The word "CLAMPERS" is written vertically along the right edge of the plate.

VIEW - A
SCALE 1:1

10. ALL DIMENSIONS ARE IN mm.

1. MATERIAL REQUIREMENTS;
- | STRUCTURE | POLYCRYSTAL |
|--|------------------|
| MINI. ELECTRIC RESISTANCE Ohm cm | 5 |
| MAX. ELECTRIC RESISTANCE Ohm cm | 20 |
| ABSORPTION COEFFICIENT (AT20°C $\lambda = 10.6\mu\text{m}$), cm^{-1} | 0.02 0.035 |
- ACCORDING TO DOCUMENT Gair 03 "UMICORE ELEKTRO-OPTIC MATERIALS"
- NONUNIFORMITY OF REFRACTION INDEX
- Gair 02 "UMICORE ELEKTRO-OPTIC MATERIALS"
- CONDUCTION
- μ -TYPE
- FINE ANNEALING, STRESS FREE
- CHAMFERS ON EDGES $0.5 \pm 0.06 \times 45^\circ$ EXCEPT SEPARATELY SPECIFIED.
- TO BE CHECKED AT WAVELENGTH $\lambda = 0.6328 \mu\text{m}$ WITHIN WHOLE LIGHTZONE BEFORE APPLYING COATINGS.
- PERMITTED: NET OF HAIR SCRATCHES WITH WIDTH UP TO 0.01mm .
5. $\otimes_b$ - ~~IT~~ ACCORDING TO ~~1425071.00003~~, ~~TX~~ $\text{MAX} \geq 0.58$ FOR $\lambda_{\text{MAX}} = (3.8 \pm 0.1) \mu\text{m}$ BEFORE COATING ACCORDING TO POINT 6. APPLY COATING TO WHOLE b SURFACE.
6. $\otimes_b$ - $B_{012} \lambda_{\text{MAX}} = 9\mu\text{m}$ ACCORDING TO OCT3-1901-95. PART INTEGRAL TRANSMITTANCE WITHIN WAVELENGTHS $7.5\mu\text{m}$ TO $10.5\mu\text{m}$ NOT LESS THAN 90%.
7. *3 ON BOTH PART SIDES
8. SERIAL NUMBER TO BE TAGGED BY BLACK MARKER ON THE SIDE OF THE PART
9. THE PART TO HAVE A PASSPORT CONTAINING VALUES OF NONPARALLELISM OF SURFACES b & B & INTEGRAL TRANSMITTANCE ACCORDING TO POINT 6.

MATERIAL: AS BELOW		TREATMENT: _____	
SURFACE FINISH: 2.5 8/Ra 1.25μm		HARDNESS: _____	

1. MATERIAL REQUIREMENTS:		POLYCRYSTAL	
STRUCTURE			
MINI. ELECTRIC RESISTANCE Ohm cm		5	
MAX. ELECTRIC RESISTANCE Ohm cm		20	
ABSORPTION COEFFICIENT (AT 20°C) $\lambda = 10.6 \mu m$, cm^{-1}	0.02	0.035	
ACCORDING TO DOCUMENT Geir 03 "UMICORE ELEKTRO-OPTIC MATERIALS"			
NONUNIFORMITY OF REFRACTION INDEX			
Geir 02 "UMICORE ELEKTRO-OPTIC MATERIALS"			
CONDUCTION			
FINE ANNEALING, STRESS FREE			
2. CHAMFERS ON EDGES $0.5^{+0.6} \times 45$, EXCEPT SEPARATELY SPECIFIED.			
3. TO BE CHECKED AT WAVELENGTH $\lambda = 0.6328 \mu m$ WITHIN WHOLE LIGHTZONE BEFORE APPLYING COATINGS.			
4. *2 PERMITTED: NET OF HAIR SCRATCHES WITH WIDTH UP TO 0.01mm.			
5. *5 - TT ACCORDING TO 1425071.00003, $\lambda_{MAX} \geq 0.58$ FOR $\lambda_{MAX} = (8.8 \pm 0.1) \mu m$ BEFORE COATING ACCORDING TO POINT 6. APPLY COATING TO WHOLE b SURFACE.			
6. *6 - B.012 $\lambda_{MAX} = 9 \mu m$ ACCORDING TO OCT3-1901-95. PART INTEGRAL TRANSMITTANCE WITHIN WAVELENGTHS 7.5 μm TO 10.5 μm NOT LESS THAN 90%.			
7. *3 ON BOTH PART SIDES			
8. SERIAL NUMBER TO BE TAGGED BY BLACK MARKER ON THE SIDE OF THE PART			
9. THE PART TO HAVE A PASSPORT CONTAINING VALUES OF NONPARALLELISM OF SURFACES b & B & INTEGRAL TRANSMITTANCE ACCORDING TO POINT 6.			

ITEM	DESCRIPTION	NO. OFF	MATERIAL	REMARKS
LIST OF PARTS				
COMP. No.	ASSY. DRG.	TITLE		
2009		GERMANIUM WINDOW		
DRAWN	6-1	DEHRADUN		
CHECKED	7/2			
JMM	NAME	DATE		
JL GARRED	DATE	DATE		
APPROVED	DATE	DATE		

OPTO ELECTRONICS FACTORY	
DEHRADUN	
REF. No. 7064.01.00.501	M
DRG. No. OPTMISC 514	
SCALE 1:2	
SHTS. 01	SHT. No. 01