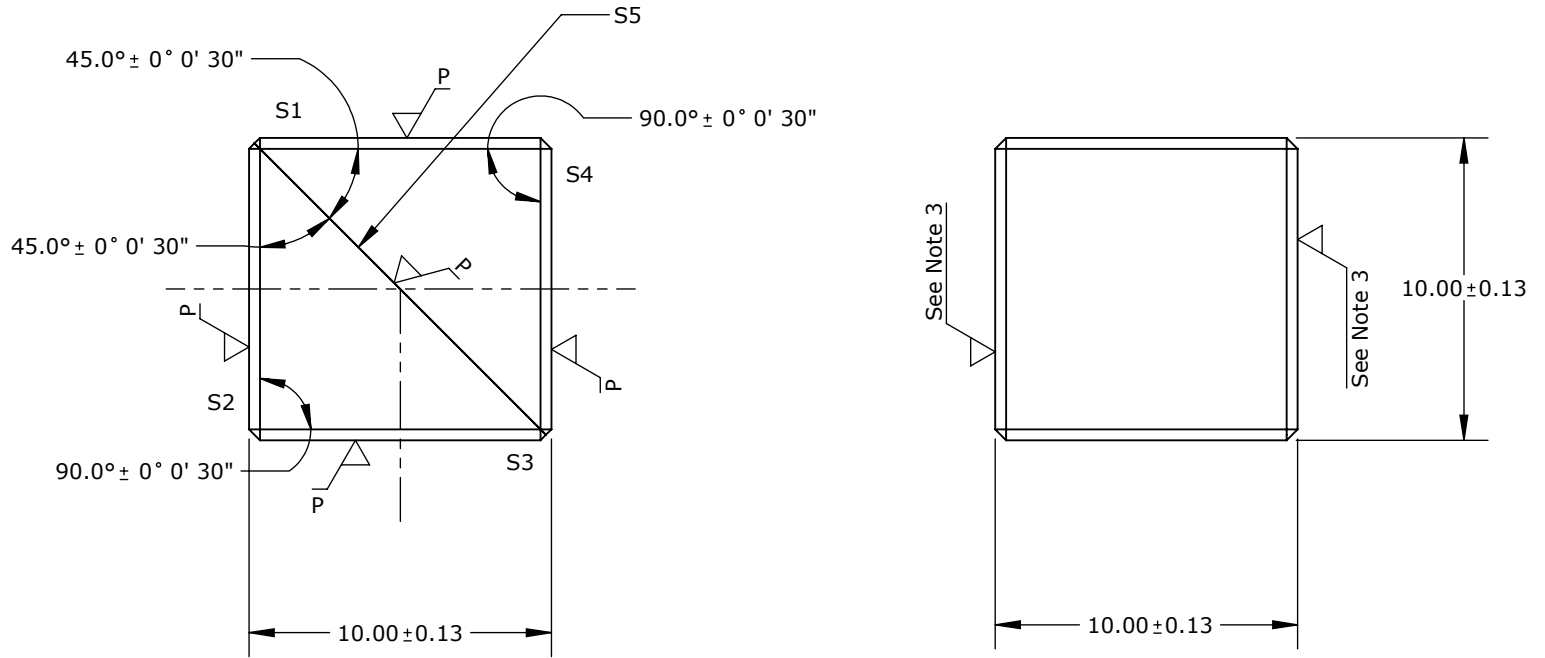


NOTES:

1. Maximum bevel to be 0.5mm Face Width, 12X.
2. Clear aperture is 85% central circle of physical dimension.
3. Surface finish as generated.
4. Perpendicularity tolerance < 3 arcminutes.
5. Coating Specifications:
 - 5.1 Polarizer Specs 3.0-5.0µm
 - Extinction Ratio (Ts/Tp) >100:1
 - Hypotenuse Ts >92%
 - AR Coating <1% at 0° per surface.
 - 5.2 Polarizer Specs 4.5-4.6µm
 - Extinction Ratio (Ts/Tp) >1,000:1
 - Hypotenuse Ts > 98%
 - AR Coating <0.25% at 0° per surface.



INDICATIONS IN ACCORDANCE WITH ISO 10110

S1	S2	S3	S4	S5	MATERIAL SPECIFICATION
R --	R --	R --	R --	R --	Material Silicon, Optical Grade
∅e See Note 2	∅e See Note 2	∅e See Note 2	∅e See Note 2	∅e See Note 2	n --
λ See Note 5	λ See Note 5	λ See Note 5	λ See Note 5	λ See Note 5	v --
3/ 0.25(0.2) at 633nm	3/ 0.25(0.2) at 633nm	3/ 0.25(0.2) at 633nm	3/ 0.25(0.2) at 633nm	3/ 0.25(0.2) at 633nm	0/ --
4/ 2'	4/ 2'	4/ 2'	4/ 2'	4/ 2'	1/ --
5/ 2 X 0.040; L2 X .004	5/ 2 X 0.040; L2 X .004	5/ 2 X 0.040; L2 X .004	5/ 2 X 0.040; L2 X .004	5/ 2 X 0.040; L2 X .004	2/ --
6/ --	6/ --	6/ --	6/ --	6/ --	

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UNLESS OTHERWISE SPECIFIED TOLERANCES IN ACCORDANCE WITH ASME Y14.5-2009

UNLESS OTHERWISE SPECIFIED DIMENSIONS IN MILLIMETERS

THIRD ANGLE PROJECTION



Research Electro-Optics, Inc.
5505 Airport Blvd, Boulder, CO 80301

TITLE

10mm Silicon PBS Cube

SIZE

A

SCALE

4:1

DRAWING NUMBER

REV

SHEET 1 OF 1