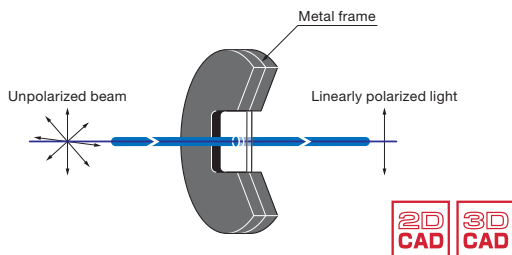


Polarcor is a glass made polarizer; it offers a high extinction ratio in the infrared region. It is widely used in experiments of telecommunication LD.

- Strong against corrosion and scratches resistant; offers excellent durability.
- High transmittance in the infrared region, usable for high power laser.
- Mounted in aluminum frame; easy to be placed in mirror holder.

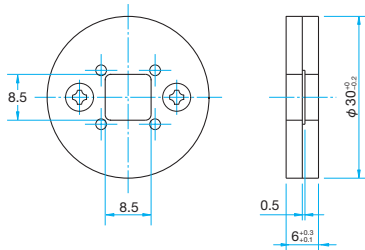


Schematic



Outline Drawing

(in mm)



Specifications	
Material	Alkali Borosilicate Glass
Extinction ratio	1×10^{-4}
Angular Field	$\pm 15^\circ$
Transmitted wavefront distortion	λ
Beam Deviation	$< 20''$
Coating	AR coating
Material of frame	Aluminum Finishing: Lusterless black anodized
Surface Quality (Scratch-Dig)	40-20
Laser Damage Threshold	0.1J/cm ² (Laser pulse width 13ns) 25W/cm ² (CW Laser)

Guide

- ▶ For larger effective diameter, please see our NIR polarizer product at page.
- ▶ For unmounted product, please contact our Sales Division with your requests.

Attention

- ▶ Low transmittance when used in visible region.
- ▶ When use at unspecified wavelengths the extinction ratio is worsen.

Specifications		
Part Number	Wavelength Range [nm]	Transmittance [%]
PLC-10-660	630 – 700	>83
PLC-10-800	740 – 860	>91
PLC-10-900	840 – 960	>94
PLC-10-1060	960 – 1160	>95
PLC-10-1310	1275 – 1345	>98
PLC-10-1550	1510 – 1590	>98

Compatible Optic Mounts

PH-30-ARS / SPH-30-ARS

Application Systems

Optics & Optical Coatings

Opto-Mechanics

Bases

Manual Stages

Actuators & Adjusters

Motoeized Stages

Light Sources & Laser Safety

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