

NEW Plate-type Polarizing Beamsplitters | PTPB-C

RoHS

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Mirrors

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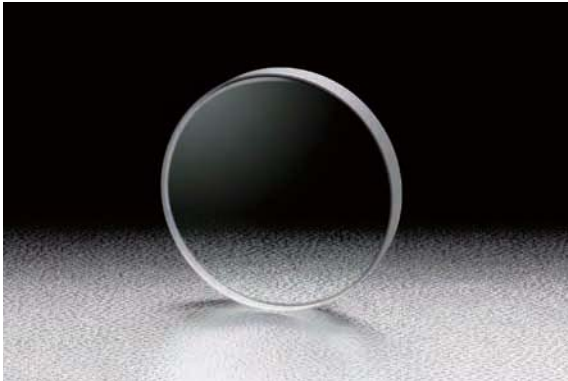
Prisms

Substrates & Windows

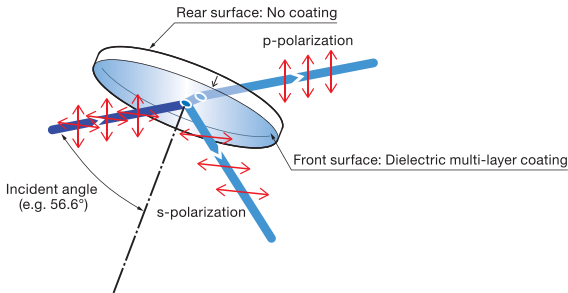
Holder & Vibration isolator

Plate-type polarizing beamsplitters are one of plate that is coated with polarizing coating.

- Plate-type polarizing beamsplitters transmit p-polarization and reflect s-polarization as the monochromatic beam entering at Brewster's angle.
- The losses of input beam of these products are minimized because of no absorption of dielectric coating.
- Coating characteristic is not influenced too much by temperature change.

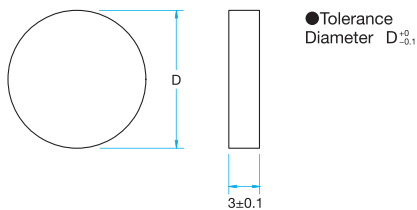


Schematic



Outline Drawing

(in mm)



266nm – 1064nm

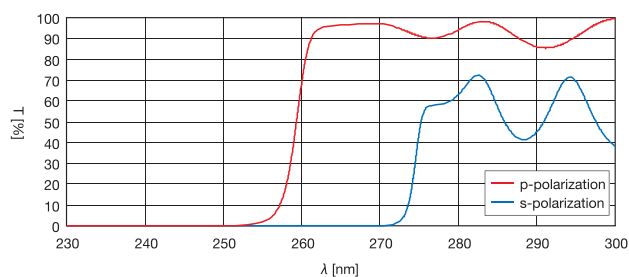
Part Number	Wavelength Range [nm]	Diameter D [mm]	Maximum diameter of transmitted beam [mm]	Material	Incident angle [°]	transmittance of P polarized light [%]	transmittance of S polarized light [%]	Laser Damage Threshold* [J/cm²]
PTPB-20C03-10-266	266	φ20	10.0	Synthetic fused silica	56.3	>92	>95	2
PTPB-25.4C03-10-266	266	φ25.4	12.7	Synthetic fused silica	56.3	>92	>95	2
PTPB-30C03-10-266	266	φ30	15.0	Synthetic fused silica	56.3	>92	>95	2
PTPB-20C03-10-355	355	φ20	10.1	Synthetic fused silica	55.9	>94	>95	2
PTPB-25.4C03-10-355	355	φ25.4	13.1	Synthetic fused silica	55.9	>94	>95	2
PTPB-30C03-10-355	355	φ30	15.7	Synthetic fused silica	55.9	>94	>95	2
PTPB-20C03-10-532	532	φ20	9.9	BK7	56.6	>95	>98	5
PTPB-25.4C03-10-532	532	φ25.4	12.9	BK7	56.6	>95	>98	5
PTPB-30C03-10-532	532	φ30	15.4	BK7	56.6	>95	>98	5
PTPB-20C03-10-1064	1064	φ20	10.0	BK7	56.4	>96	>98	7
PTPB-25.4C03-10-1064	1064	φ25.4	12.9	BK7	56.4	>96	>98	7
PTPB-30C03-10-1064	1064	φ30	15.5	BK7	56.4	>96	>98	7

* Incident angle0°, Laser pulse width 10ns, repetition frequency 20Hz

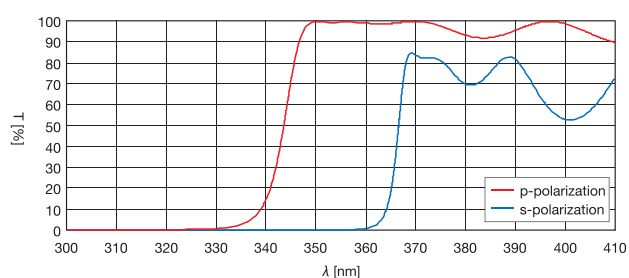
Typical Transmittance Data

T: Transmission

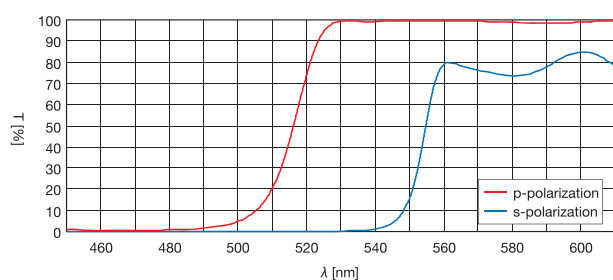
PTPB-C-266



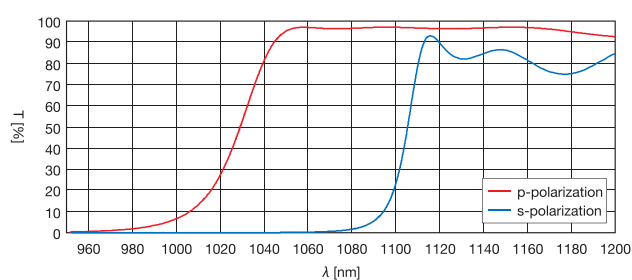
PTPB-C-355



PTPB-C-532



PTPB-C-1064



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