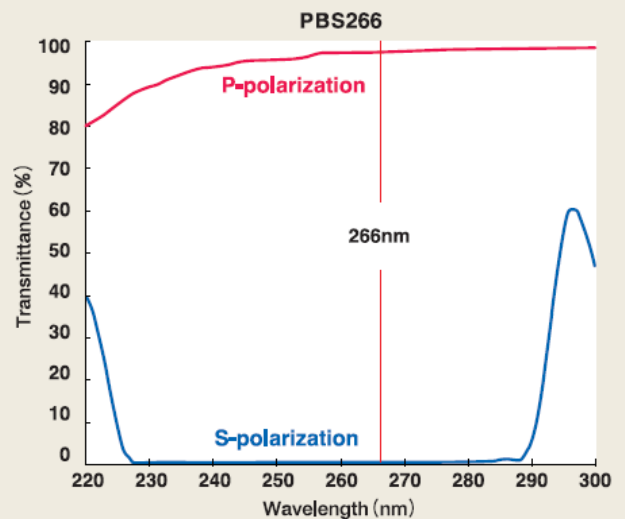
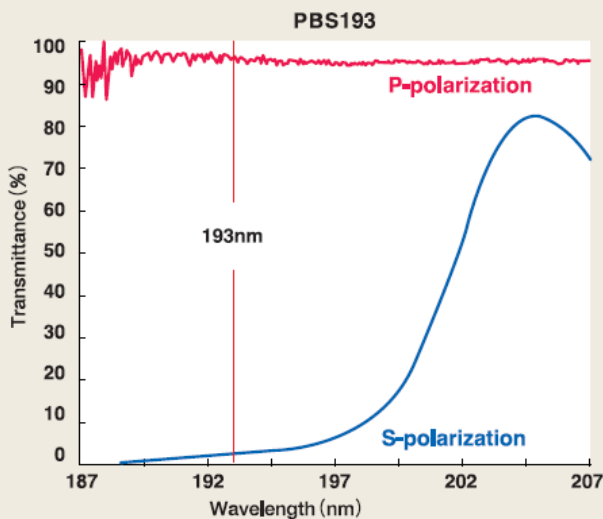


Polarizing Beam Splitter

Optical contact polarizing beam splitter for UV lasers



PBS transmittance spectrum manufactured by means of optical contact



- High Laser Durability: >1Jcm² at 248nm, 15ns
- Broadband: 60 nm at center wavelength of 248 nm
- Two-wavelength type polarizers are available

PBS featuring glue-free optical contacts provides high transmittance, high damage resistance, and high stability for UV Lasers. PBS is manufactured by precision polishing techniques, advanced coating and optically contacted craftwork. Multi wavelength types are also available including 1064nm, 532nm, 355nm, and 266nm.

For more details, contact us at sales@newsourcetechnology.com.

● AR Coating : R <0.2% per surface, Entrance and Exit

Optical Contact Polarizing Beam Splitter

Wavelength (nm)	Product No.	Cube Size (Inch)	P polarized light Transmittance (%)	S polarized light Transmittance (%)
193 (ArF)	PBS193-100	1	>90.0	<1.0
	PBS193-050	1/2		
248 (KrF)	PBS248-100	1	>95.0	<0.5
	PBS248-050	1/2		
266 (YAG FHG)	PBS266-100	1	>97.0	<0.5
	PBS266-050	1/2		
355 (YAG THG)	PBS355-100	1	>97.0	<0.5
	PBS355-050	1/2		

Substrate

Material : Fused Silica
Transmitted Wave front : $\lambda/10$ (633nm)

Tolerance : $\pm 0.2\text{nm}$
Angular : <5arc minutes

Clear Aperture : Central 80%

Laser Durability

Pulse width	1064nm	532nm	355nm	266nm	248nm	193nm
15ns	>15J/cm ²	>5J/cm ²	>2J/cm ²	>1J/cm ²	>1J/cm ²	>0.1J/cm ²