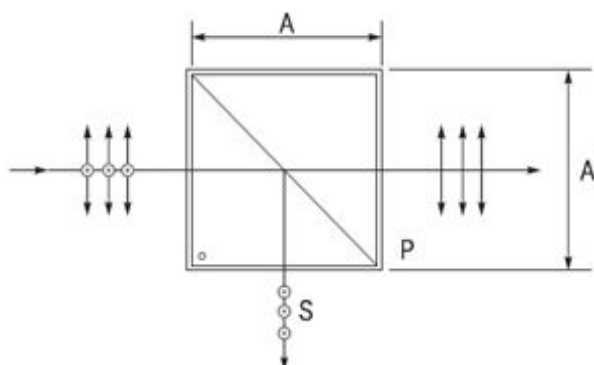
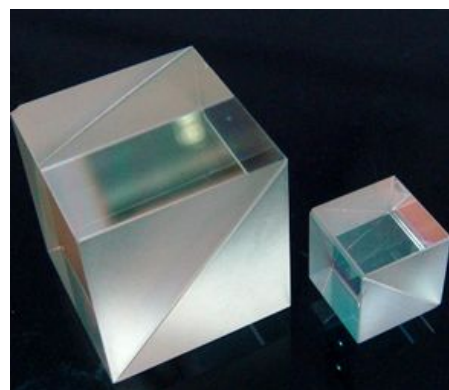


### General Specifications

Substrate Material	: UV Fused Silica / BK7
Surface Flatness	: $< \lambda/4$ at 633 nm
Surface Quality	: $< 20 / 10$
Beam Deviation	: $< 3$ arcmin
Dimension Tolerance	: $\pm 0.25$ mm
Extinction Ratio	: $T_p/T_s > 200:1$
Clear Aperture	: $\geq 85\%$ in central circular dimension
Damage Threshold	: $\geq 10\text{J}/\text{cm}^2$ , 10ns

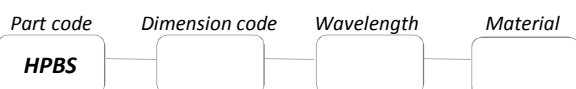


Material	Material Code
UV	UV Fused Silica
BK	BK7

### Model Specifications

Part Number	Wavelength (nm)	Cube size	Reflection s-pol (%)	Transmission p-pol (%)	Material
HPBS-13-248-UV	248	0.5"	$R_s > 99$	$T_p > 90$	UV Fused Silica
HPBS-15-248-UV	248	15 mm	$R_s > 99$	$T_p > 90$	UV Fused Silica
HPBS-20-248-UV	248	20 mm	$R_s > 99$	$T_p > 90$	UV Fused Silica
HPBS-25-248-UV	248	1"	$R_s > 99$	$T_p > 90$	UV Fused Silica
HPBS-13-266-UV	266	0.5"	$R_s > 99$	$T_p > 90$	UV Fused Silica
HPBS-15-266-UV	266	15 mm	$R_s > 99$	$T_p > 90$	UV Fused Silica
HPBS-20-266-UV	266	20 mm	$R_s > 99$	$T_p > 90$	UV Fused Silica
HPBS-25-266-UV	266	1"	$R_s > 99$	$T_p > 90$	UV Fused Silica
HPBS-13-355-UV	355	0.5"	$R_s > 99$	$T_p > 90$	UV Fused Silica
HPBS-15-355-UV	355	15 mm	$R_s > 99$	$T_p > 90$	UV Fused Silica
HPBS-20-355-UV	355	20 mm	$R_s > 99$	$T_p > 90$	UV Fused Silica
HPBS-25-355-UV	355	1"	$R_s > 99$	$T_p > 90$	UV Fused Silica
HPBS-13-532-Material	532	0.5"	$R_s > 99$	$T_p > 90$	BK7 or UV FS
HPBS-15-532-Material	532	15 mm	$R_s > 99$	$T_p > 90$	BK7 or UV FS
HPBS-20-532-Material	532	20 mm	$R_s > 99$	$T_p > 90$	BK7 or UV FS
HPBS-25-532-Material	532	1"	$R_s > 99$	$T_p > 90$	BK7 or UV FS
HPBS-13-1064-Material	1064	0.5"	$R_s > 99.5$	$T_p > 95$	BK7 or UV FS
HPBS-15-1064-Material	1064	15 mm	$R_s > 99.5$	$T_p > 95$	BK7 or UV FS
HPBS-20-1064-Material	1064	20 mm	$R_s > 99.5$	$T_p > 95$	BK7 or UV FS
HPBS-25-1064-Material	1064	1"	$R_s > 99.5$	$T_p > 95$	BK7 or UV FS

### Order/product Nomenclature

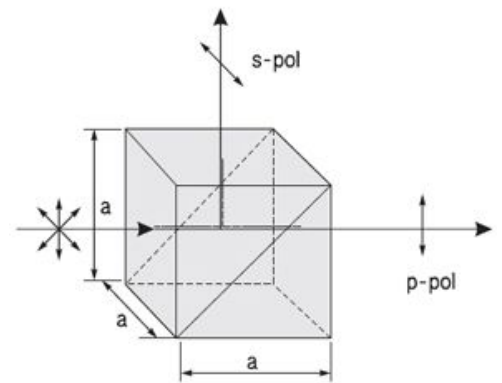


Ordering example : HPBS-15-355-UV  
HPBS-25-1064-BK

Dimension	Dimension Code
0.5"	13
15 mm	15
20 mm	20
1"	25

### General Specifications

Substrate Material	: BK7 J/ UV Fused Silica
Surface Flatness	: $\lambda/4$ at 633nm
Surface Quality	: <20-10
Dimension Tolerance	: $\pm 0.25$ nm
Extinction Ratio	: $T_p/T_s > 100:1$ (UV) : $T_p/T_s > 1000:1$ (VIS, IR)
Clear aperture	: >90% of face size
Beam Deviation	: <3 arcmin
Damage Threshold	: 1 J/cm <sup>2</sup> , 20ns, 20Hz at 1064nm



The four outer faces are all anti-reflection coated.

### Model Specifications

Part Numbers	Wavelength (nm)	Cube size	Material
PBS-13-248-UV	248	0.5"	UV Fused Silica
PBS-25-248-UV	248	1"	UV Fused Silica
PBS-13-266-UV	266	0.5"	UV Fused Silica
PBS-25-266-UV	266	1"	UV Fused Silica
PBS-13-355-UV	355	0.5"	UV Fused Silica
PBS-15-355-UV	355	15mm	UV Fused Silica
PBS-20-355-UV	355	20mm	UV Fused Silica
PBS-25-355-UV	355	1"	UV Fused Silica
PBS-13-532-BK	532	0.5"	BK7
PBS-15-532-BK	532	15mm	BK7
PBS-20-532-BK	532	20mm	BK7
PBS-25-532-BK	532	1"	BK7
PBS-38-532-BK	532	1.5"	BK7
PBS-51-532-BK	532	2"	BK7
PBS-13-633-BK	633	0.5"	BK7
PBS-25-633-BK	633	1"	BK7
PBS-38-633-BK	633	1.5"	BK7
PBS-51-633-BK	633	2"	BK7
PBS-13-1064-BK	1064	0.5"	BK7
PBS-15-1064-BK	1064	15mm	BK7
PBS-20-1064-BK	1064	20mm	BK7
PBS-25-1064-BK	1064	1"	BK7
PBS-38-1064-BK	1064	1.5"	BK7
PBS-51-1064-BK	1064	2"	BK7

Material	Material code
UV Fused Silica	UV
BK7	BK

### Order/Product Nomenclature

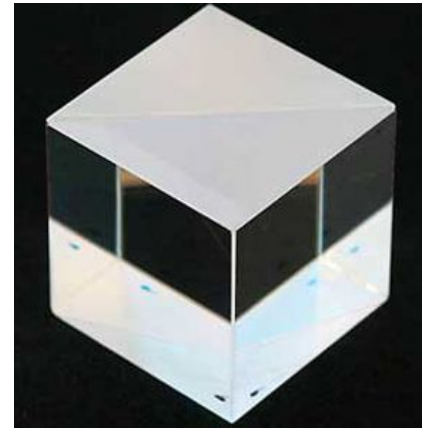


Ordering example : PBS-15-1064-BK  
: PBS-20-355-UV

Dimension	Dimension code
0.5"	13
15 mm	15
20 mm	20
1"	25
1.5"	38
2"	51

## General Specifications

Substrate Material	: Flint glass
Surface Flatness	: $< \lambda/8$ at 633 nm
Surface Quality	: $< 20 / 10$
Beam Deviation	: $< 3$ arcmin
Dimension Tolerance	: $< +0.00 / -0.20$ mm
Clear Aperture	: $\geq 90\%$ in central circular dimension



## Model Specifications

Part Number	Wavelength range (nm)	Extinction ratio	Cube size (mm)
PSCL-4-405	405 $\pm$ 2%	$> 2000 : 1$	4
PSCL-13-405	405 $\pm$ 2%	$> 2000 : 1$	12.7
PSCL-4-VIS	450 - 650	$> 2000 : 1$	4
PSCL-13-VIS	450 - 650	$> 2000 : 1$	12.7
PSCL-4-633	633 $\pm$ 3%	$> 2000 : 1$	4
PSCL-13-633	633 $\pm$ 3%	$> 2000 : 1$	12.7
PSCL-4-NIR	760 - 860	$> 2000 : 1$	4
PSCL-13-NIR	760 - 860	$> 2000 : 1$	12.7
PSCL-4-YAG	960 - 1070	$> 2000 : 1$	4
PSCL-13-YAG	960 - 1070	$> 2000 : 1$	12.7
PSCL-4-IR	1310 - 1550	$> 2000 : 1$	4
PSCL-13-IR	1310 - 1550	$> 2000 : 1$	12.7

Wavelength range (nm)	Wavelength code
405 $\pm$ 2%	405
450 ~ 650	VIS
633 $\pm$ 3%	633
760 ~ 860	NIR
960 ~ 1070	YAG
1310 ~ 1550	IR

## Order/product Nomenclature

Part code      Dimension code      Wavelength code



Ordering example : PSCL-13-VIS  
PSCL-4-405

Dimension	Dimension Code
4 x 4 x 4	4
12.7 x 12.7 x 12.7	13