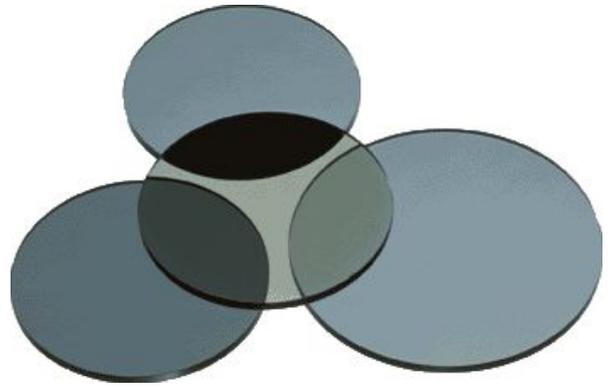


POLAX

Linear Polarizing plate



POLAX series consists of various polarizing plates having different properties. Each polarizing plate is made of two pieces of optical glasses and a dichromatic film bonded between them. They are supplied from visible range to infrared range so that they are able to satisfy customer's request.

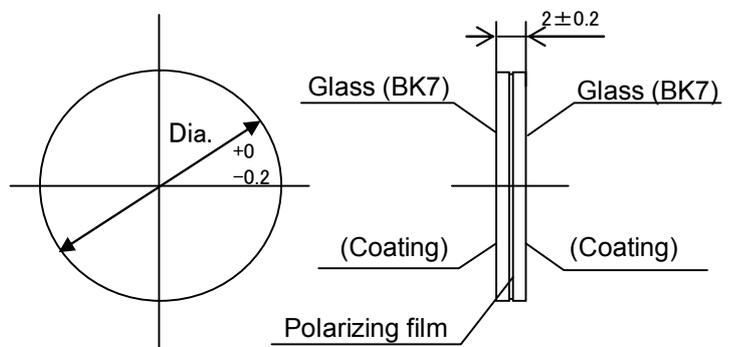
Product list					
		Transmittance average	Extinction ratio		
VIS	Wavelength	400~680nm	460nm	530nm	630nm
	POLAX-15N	15±2%	10 ⁴	10 ⁴	10 ⁴
	POLAX-25N	25±2%	10 ³	10 ⁴	10 ⁴
	POLAX-32N	32±2%	10 ²	10 ³	10 ³
	POLAX-38N	38±2%	10	10 ²	10 ³
	Wavelength	530nm	460nm	530nm	630nm
	POLAX-38S	38±3%	10 ³	10 ⁴	10 ⁴
	POLAX-42S	42±3%	10 ²	10 ⁴	10 ⁴
IR	Wavelength	780nm	780nm		
	POLAX-32NIR	32±3%	10 ⁴		
	Wavelength	900~1600nm	1060nm	1300nm	1550nm
	POLAX-30IR	30±3%	10 ³	10 ⁴	10 ³

*Optical property is measured by Hitachi Spectroscope U-4100

Specification of standard product

Glass	BK7	
Diameter	φ10mm	
	φ20mm	
	φ30mm	
Thickness	2mm	
AR coating	N type, S type	Multi-coating
	NIR type	805V coating
	IR type	Nothing
Axis marking	Nothing (Option)	

Dimension



*It is possible to satisfy customer's request for special specification.

RETAX

Wave plate



RETAX series consists of various wave plates having different retardation each other. Each wave plate is made of two pieces of optical glasses and a retardation film bonded between them. They are supplied from visible range to infrared range so that they are able to satisfy customer's request. It is possible to select any retardation not just $1/4 \lambda$, $1/2 \lambda$ and 1λ for the wavelength.

Product list						
	Wavelength	Light source	AR Coating (Option)	Type		
				$1/4 \lambda$	$1/2 \lambda$	1λ
VIS	441.6nm	He-Cd laser	M	○	○	○
	457.9nm	Ar laser	M	○	○	○
	488.0nm	Ar laser	M	○	○	○
	514.5nm	Ar laser	M	○	○	○
	532.0nm	YAG(2) laser	M	○	○	○
	590.0nm	DYE(Na) laser	M	○	○	
	632.8nm	He-Ne laser	M	○	○	
	694.3nm	RUBY laser	M	○	○	
IR	780.0nm	LD laser	V	○	○	
	830.0nm	LD laser	V	○	○	
	1064.0nm	YAG laser	V	○	○	
	1150.0nm	He-Ne laser	V	○		
	1300.0nm	LD laser	V	○		
	1500.0nm	LD laser	V	○		

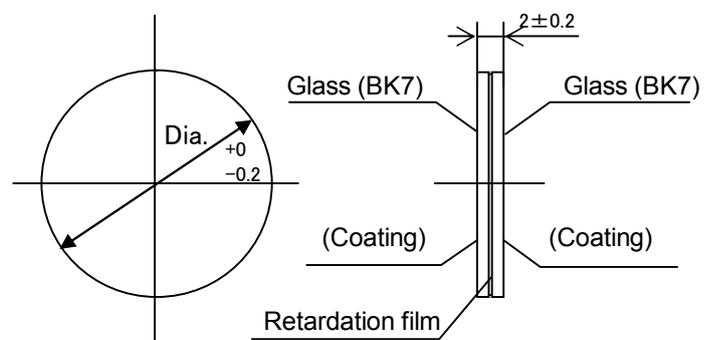
M···Multi-coating (broad-band type)

V···V-coating (narrow-band type)

Specification of standard product

Glass	BK7	
Diameter	φ10mm	
	φ20mm	
	φ30mm	
Thickness	2mm	
Retardation tolerance	$1/4 \lambda$	±10nm
	$1/2 \lambda$	±10nm
	1λ	±5 nm
AR coating	Nothing (Option)	
Axis marking	Nothing (Option)	

Dimension



*It is possible to satisfy customer's request for special specification.