

# 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  $1 \lambda$  for the wavelength.

Product list						
	Wavelength	Light source	AR Coating (Option)	Type		
				$1/4 \lambda$	$1/2 \lambda$	$1 \lambda$
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	○		

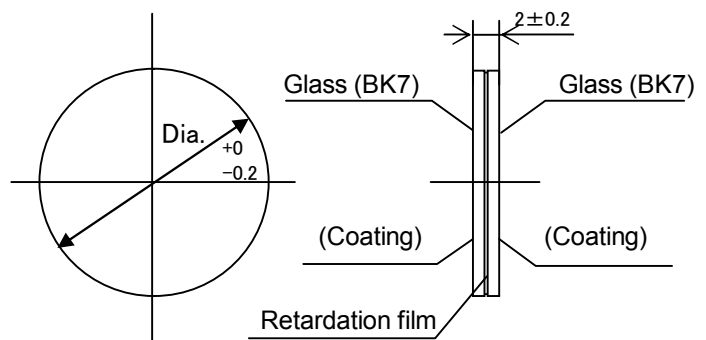
M···Multi-coating (broad-band type)

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
	$1 \lambda$	±5 nm
AR coating	Nothing (Option)	
Axis marking	Nothing (Option)	

### Dimension



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