

## 48WP-2-404-1-394, dichroic wave plate, multiple-order

allows polarization rotation of linearly polarized radiation of 404 nm, while 394 nm is unaffected



### FEATURES

The retardation optics type 48WP-2-404-1-394 is a half-wave plate that allows the polarization rotation of linearly polarized radiation of the wavelength 404 nm, while the state of polarization of 394 nm is unaffected. It has a rotary mount and is designed to be integrated into the [multicube](#) system.

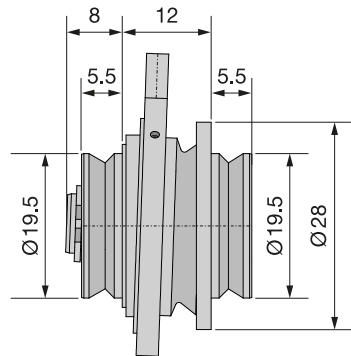
- Quartz plate, multiple order
- Retardation  $\lambda/2$  for the wavelength 404 nm
- Retardation  $\lambda/1$  for the wavelength 394 nm (polarization is not affected)
- Clear aperture 5 mm
- In adjustable mount with self-locking tubular axis (0 - 360°)
- Rotation around axis that is inclined 2° with respect to the optical axis. This avoids interference and back-reflection
- System mount Ø 19.5 mm
- Adjustable using Schäfter+Kirchhoff Polarization Analyzer series [SK010PA](#).

## TECHNICAL DATA

48WP-2-404-1-394, dichroic wave plate, multiple-order

Order Code	48WP-2-404-1-394
Center wavelength $\lambda/2$	404 nm
Center wavelength $\lambda/1$	394 nm
Order	multiple-order
AR coating	yes
Material	Quartz
Clear aperture	5 mm
System mount	Ø 19.5 mm

Adjustment range	360°
Inclined rotary axis	2°
Housing material	Nickel silver
Weight	46 g
Dimensions (for a complete dimensional drawing please refer to the downloads section)	



## DOWNLOADS



[980210090404.pdf \(Dimensional drawing\)](#)

## ACCESSORIES

### POLARIZATION ANALYZER SK010PA

Measurement tool for coupling into polarization-maintaining fiber cables

## RELATED PRODUCTS

### HALF-WAVE PLATE 48WP-2 (ZERO-ORDER)

The half-wave plate rotates the polarization direction of a linearly polarized input beam

### HALF-WAVE PLATE 48WP-2 (LOW-ORDER)

The half-wave plate rotates the polarization direction of a linearly polarized input beam

### FIBER PORT CLUSTER 2 → X DICHROIC

Compact, rugged and highly efficient opto-mechanical unit for splitting/combining multiple ports

## MULTICUBE SYSTEM

Multicube-Components and Systems

This is a printout of the page <https://sukhamburg.com/products/details/48WP-2-404-1-394> from 5/7/2024

## CONTACT

For more information please contact:

Schäfter + Kirchhoff GmbH

Kieler Str. 212

22525 Hamburg

Germany

Tel: +49 40 85 39 97-0

Fax: +49 40 85 39 97-79

[info@sukhamburg.de](mailto:info@sukhamburg.de)

[www.sukhamburg.com](http://www.sukhamburg.com)

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