48WP-2-628-1-606, dichroic wave plate, multiple-order

allows polarization rotation of linearly polarized radiation of 628 nm, while 606 nm is unaffected



FEATURES

The retardation optics type 48WP-2-628-1-606 is a half-wave plate that allows the polarization rotation of linearly polarized radiation of the wavelength 628 nm, while the state of polarization of 606 nm is unaffected. It has a rotary mount and is designed to be integrated into the <u>multicube</u> system.

- Quartz plate, multiple order
- Retardation $\lambda/2$ for the wavelength 628 nm
- Retardation \lambda/1 for the wavelength 606 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 <u>SK010PA</u>.

TECHNICAL DATA

48WP-2-628-1-606, dichroic wave plate, multiple-order

Order Code	48WP-2-628-1-606
Center wavelength $\lambda/2$	628 nm
Center wavelength λ/1	606 nm
Order	multiple-order
AR coating	yes
Material	Quartz
Clear aperture	5 mm
System mount	Ø 19.5 mm



DATA SHEET

Adjustment range	360°
Inclined rotary axis	29
Housing material	Nickel silver
Weight	46 g
Dimensions (for a complete dimensional drawing please refer to the	e downloads section)



DOWNLOADS



980210090404.pdf (Dimensional drawing)

ACCESSORIES

POLARIZATION ANALYZER SK010PA Measurement tool for coupling into polarizationmaintaining 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-2-628-1-606 from 5/3/2024

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 www.sukhamburg.com

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