

48WP-2-CA-689L, half-wave plate, low-order

allows polarization rotation of linearly polarized radiation of 689 nm



FEATURES

The retardation optics type 48WP-2-CA-689L is a half-wave plate that allow the polarization rotation of linearly polarized radiation. It has a rotary mount and is designed to be integrated into the [multicube](#) system.

- Quartz plate, low-order
- For wavelengths 689 nm
- 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](#).

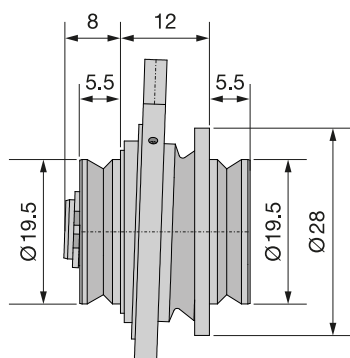
TECHNICAL DATA

48WP-2-CA-689L, half-wave plate, low-order

| | |
|----------------------|----------------|
| Order Code | 48WP-2-CA-689L |
| Center wavelength | 689 nm |
| Retardation | $\lambda/2$ |
| Order | low-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 (LOW-ORDER)

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

MULTICUBE SYSTEM

Multicube-Components and Systems

This is a printout of the page <https://sukhamburg.com/products/details/48WP-2-CA-689L> from 5/1/2024

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

LEGAL NOTICE

Copyright 2020 Schäfter+Kirchhoff GmbH. All rights reserved.

Text, image, graphic, sound, video and animation files and their arrangement on Schäfter+Kirchhoff GmbH webpages are protected by copyright and other protective laws. The content may not be copied for commercial use or reproduced, modified or used on other websites. [\[more\]](#)