# V-Mount Macro Lens

# Componon-S 2.8/50-0018

Unlike conventional camera lenses where the optical performance decreases as the magnification increases, Schneider-Kreuznach macro lenses have been developed and corrected exclusively for the close-up range of 1:20 to 1:1. Due to its mechanical stability and the robust V-mount interface enabling simpler adjustment of the best azimuth position, the system is exceptionally well suited to demanding, continuous industrial use.



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# **Key Features**

- Excellent optical imaging performance when using large sensors
- · Vibration-insensitive for stable optical performance
- Industry-compatible V-mount interface
- Lockable distance and aperture settings
- · Continuous aperture adjustment, guaranteed long-term stability
- 100% quality control guarantees reliability and constant quality
- Low maintenance requirements, therefore high system reliability

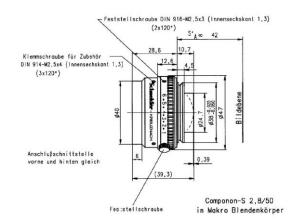
# **Applications**

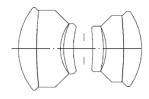
- Machine Vision and other imaging applications
- PCB inspection
- · LCD inspection
- · OLED inspection
- Solar inspection

# **Technical Specifications**

F-number	2.8
Focal length	50.2 mm
Image circle	43.2 mm
Magnification	1:20 to 1:1, optimized for -0.10
Transmission	400 - 700 nm
Interface	V38-Mount
Weight	113 gr.
Filter tread	M37 x 0.75
Code no.	14796

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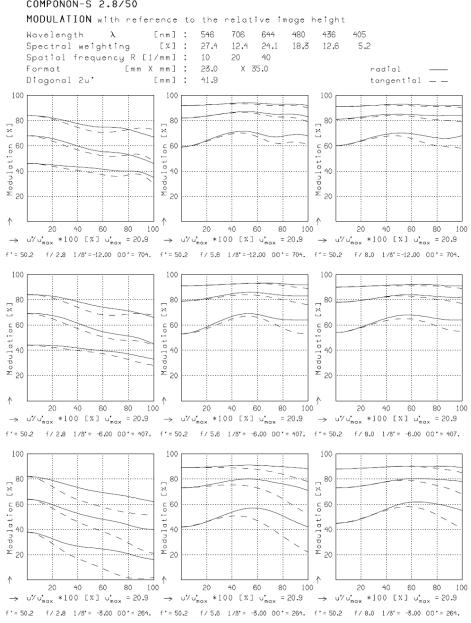




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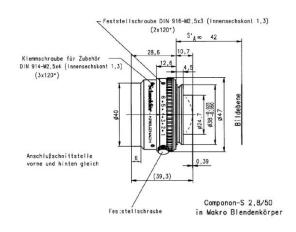


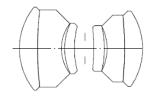
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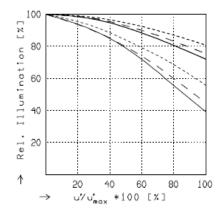
Focusing : MTF<sub>max</sub> at f / 2.8 , R = 20 1/mm,  $u'/u'_{max} = 0$ 

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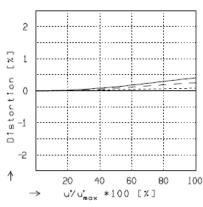


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# RELATIVE ILLUMINATION

The relativillumination is shown for the given focal distances or magnifications.



# DISTORTION

Distortion is shown for the given focal distances or magnifications. Positive values indicate pincushion distortion and negative values barrel distortion.

# TRANSMITTANCE

Relative spectral transmittance is shown with reference to wavelength.

