



V-Mount Macro Lens

Componon-S 5.6/100-0022

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

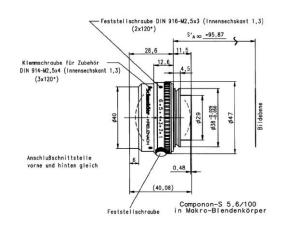
Technical Specifications

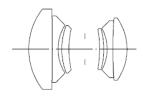
F-number	5.6
Focal length	102.3 mm
Image circle	108 mm
Magnification	1:20 to 1:1, optimized for -0,17
Transmission	400 - 700 nm
Interface	V38-Mount
Weight	140 gr.
Filter tread	M37 x 0.75
Code no.	35142



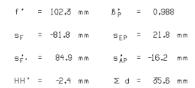


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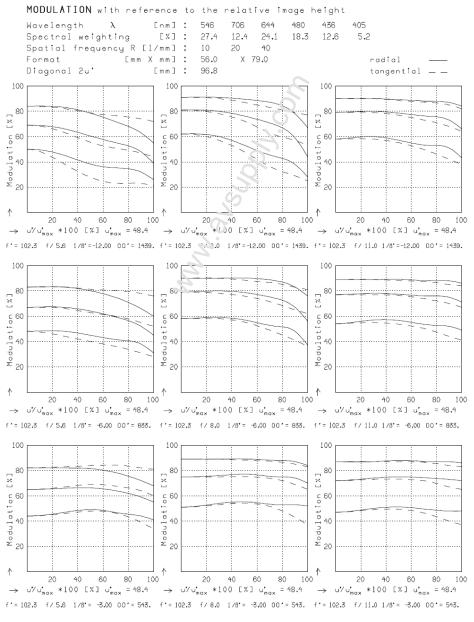




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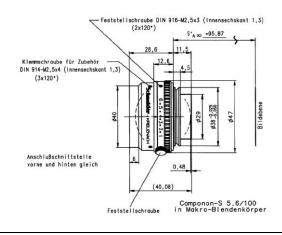
Focusing :

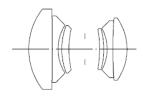
 MTF_{max} at f / 5.6 , R = 20 1/mm, u'/u'_{max} = 0





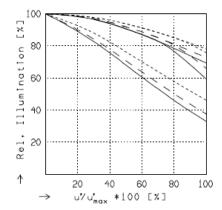
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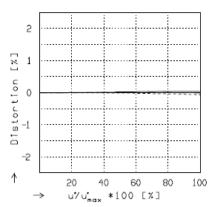
f' = 102.3 mm
$$6_P^2$$
 = 0.988
 s_F = -81.8 mm s_{EP} = 21.8 mm
 s_F^2 = 84.9 mm s_{AP}^2 = -16.2 mm
HH' = -2.4 mm Σ d = 35.6 mm



the given

RELATIVE ILLUMINATION

The relativillumination is shown focal distances magnifications.



DISTORTION

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

100 80 Transmittance 60 20 1 500 700 400 600 Wavelength [nm]

TRANSMITTANCE

Relative spectral transmittance is shown with reference to wavelength,