

V-Mount Macro Lens

Apo-Componon 4.0/60-0016

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.



Apo-Componon 4.0/60

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

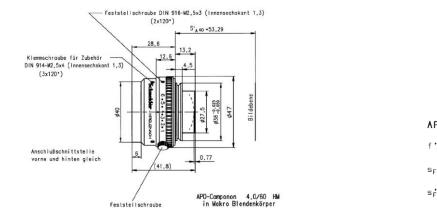
- Machine Vision and other imaging applications
- PCB inspection
- LCD inspection
- OLED inspection
- Solar inspection

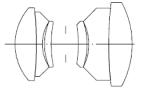
Technical Specifications

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F-number	4.0		
Focal length	59.9 mm		
Image circle	60 mm		
Magnification	1:20 to 1:1, optimized for -0.17		
Transmission	400 - 700 nm		
Interface	V38-Mount		
Weight	120 gr.		
Filter tread	M37 x 0.75		
Code no.	14802		



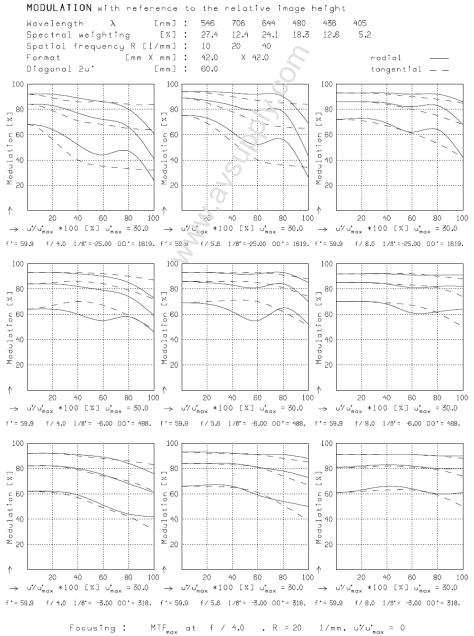
Apo-Componon 4.0/60





APO-COMPONON	4/60
f' = 59,9 mm	ß₽ = 0,970
s _F = −47,1 mm	s _{EP} = 14.6 mm
s _F . = 40.9 mm	s _{ÅP} = -17.3 mm
HH' = −1.9 mm	∑d = 30.0 mm

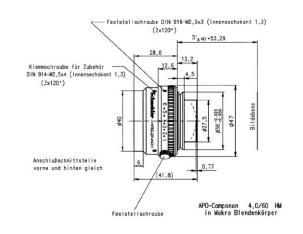
APO-COMPONON 4/60

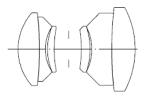


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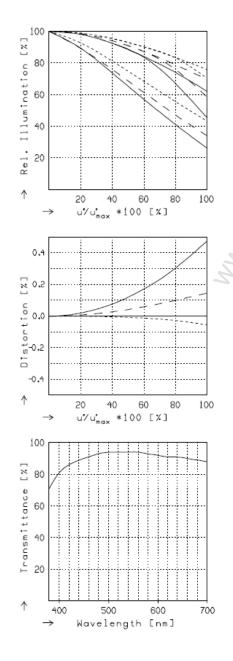


Apo-Componon 4.0/60





AP0-C	OMPONON	4/60
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нн' =	-1,9 mm	∑d = 30.0 mm



RELATIVE ILLUMINATION

The relativ illumination is shown for the given focal distances or magnifications.

f / 4,0	f	/ 5.6	f	/ 8.0	
$\begin{array}{c} & & & \\ & & & \\ - & - & \beta^* = & -0.1667 \\ & & & \\ - & & \beta^* = & -0.3333 \end{array}$		$u_{max}^{*} = 30.1$ $u_{max}^{*} = 30.0$ $u_{max}^{*} = 30.0$		00'=	488.

DISTORTION

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

 B' = −0.0400	u _{max} = 30.0	00'=	1619.
 ß'= −0.1667	u _{max} = 30.0	00'=	488.
 B' = −0.3333	u _{max} = 30.0	00*=	318.

TRANSMITTANCE

Relative spectral transmittance is shown with reference to wavelength.

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