


# Objective data

PDF Brochure: Objectives from Carl Zeiss (5 MB)

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**Objective Class: W Plan-Apochromat**  
Apochromatically corrected objectives especially for electrophysiology

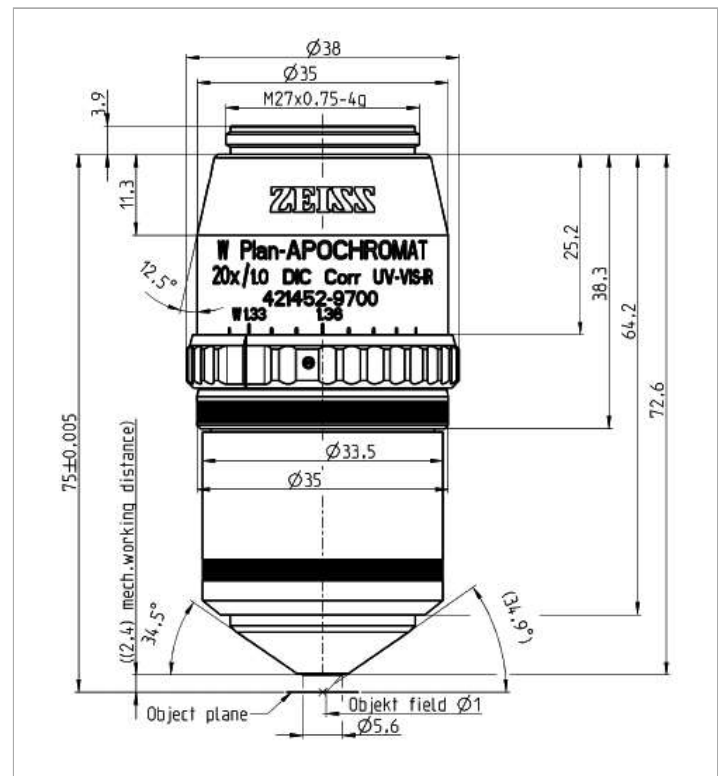
 <a href="#">→ Transmittance curve</a>	<b>Objective W Plan-Apochromat 20x/1.0 Corr DIC M27 75mm</b> <b>421452-9700-000</b> <input type="checkbox"/> Basket
	<b>Price</b> £ <b>11 765.00</b>
<b>Magnification</b>	20x
<b>Numerical Aperture</b>	1.0
<b>Free Working Distance [mm]</b>	2.4
<b>Coverglass Thickness [mm]</b>	0
<b>Thread Type</b>	M27x0.75
<b>Immersion</b>	Water
<b>Field of View [mm]</b>	20
<b>Parfocal Length [mm]</b>	75.00
<b>Long Distance (LD)</b>	
<b>Correction Ring (Corr)</b>	■
<b>Iris (Iris)</b>	
<b>Optical System</b>	Infinity Color Corrected System (ICS)
<b>Flatness</b>	★★★★★
<b>Color Correction</b>	★★★★★
<b>Biomedical Applications</b>	
<b>Fluorescence</b>	■
- Multichannel	★★★★★
- Ultraviolet Transmission	★★★★
- Infra Red Transmission	★★★★
<b>BrightField (B)</b>	■
<b>Differential Interference Contrast (DIC)</b>	
<b>High Contrast DIC (HC DIC)</b>	
<b>PlasDIC Contrast</b>	
<b>Phase Contrast (PH)</b>	
<b>VAREL Contrast</b>	
<b>Hoffman Modulation Contrast (HMC)</b>	
<b>Polarization Contrast (POL)</b>	
<b>Materials (Reflected Light) Applications</b>	
<b>BrightField (B)</b>	
<b>BrightField/DarkField (BD)</b>	
<b>Reflected Light DIC (RL DIC)</b>	
<b>High Contrast DIC (HC DIC)</b>	
<b>DIC with circular polarized light (C-DIC)</b>	
<b>Total Interference Contrast (TIC)</b>	
<b>Polarization Contrast (POL)</b>	
<b>Options</b>	
<b>Definite Focus.2</b>	
<b>Confocal Microscopy</b>	■
- Ultra Violet	★★★★
- VIS (visible light)	★★★★★
<b>NLO-IR / 2 Photon</b>	★★★★
<b>Total Internal Reflection Fluorescence (TIRF)</b>	

## Objective W Plan-Apochromat 20x/1.0 Corr DIC M27 75mm

We are sorry, there is no product image available.

Objective W Plan-Apochromat 20x/1.0 Corr DIC M27 75mm Parfocal length 75mm (FWD=2.4mm), UV-VIS-IR Correction collar for differences in refractive index nD from -0.002 to 0.025. Apochromatical correction of longitudinal colour aberration includes the wavelength 405 nm.

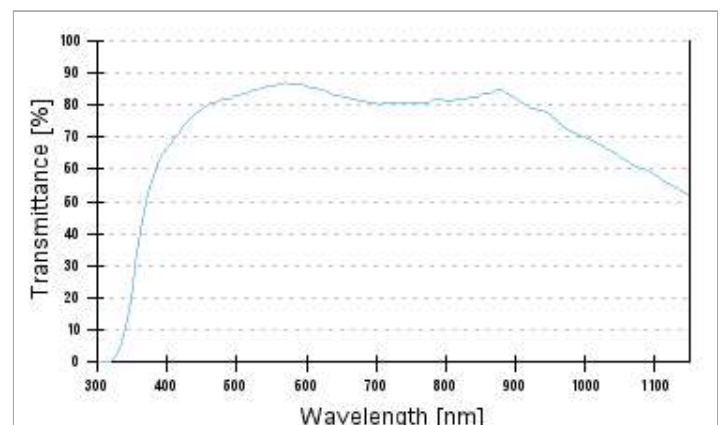
## Mechanical Dimensions



All measures in [mm]

mech. Arbeitsabstand = mechanical working distance  
 Deckglas = cover glass  
 Objektenebene = object plane  
 Objektfeld = object field  
 Ausleuchtung = illumination  
 Probenzugänglichkeit = specimen accessibility

## Transmittance curve



Please note that due to production tolerances, the given values are typical only and not guaranteed.

ApoTome	
Microdissection	

**Note**

Due to its large parfocal length this objective can be used with the microscopes "Axio Examiner.D1" and "Axio Examiner.Z1" only .  
The apochromatical correction of longitudinal colour aberration includes the wavelength 405 nm.  
This objective is designed for dipping into physiologic salt solution. It can be dipped into the agent up to 7 mm deep, without liquid ending up inside the objective.  
The correction collar is used to adjust small deviation of refractive indes in the range of nD from 1.33 to 1.36.  
Unfortunately there is no suitable DIC slider for this objective available.