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Objective Assistant

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pdf Brochure: Objectives from Carl Zeiss (5 MB)

Objective Class: Plan-Apochromat SF25
Best field flattening, best correction, confocal microscopy →

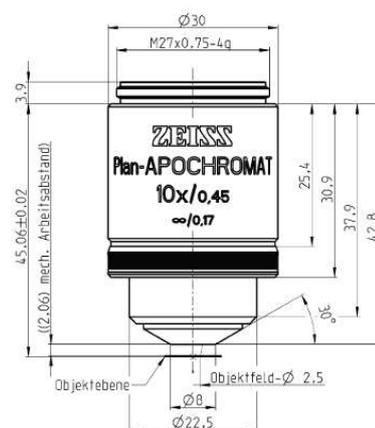
<p>→ Transmittance curve</p>	Objective Plan-Apochromat 10x/0.45 M27
	420640-9900-000 Basket
Price	→ Price
Magnification	10x
Numerical Aperture	0.45
Working Distance [mm]	2.0
Coverglass Thickness [mm]	0.17
Thread Type	M27x0.75
Immersion	Without Immersion
Field of View [mm]	25
Parfocal Length [mm]	45.06
Long Distance (LD)	
Correction Ring (Korr)	
Iris (Iris)	
Optical System	Infinity Color Corrected System (ICS)
Flatness	★★★★★
Color Correction	★★★★★
Biomedical Applications	
Fluorescence	■
- Multichannel	★★★★★
- Ultraviolet Transmission	★★★★
- Infra Red Transmission	★★★★
BrightField (H)	■
Differential Interference Contrast (DIC)	★★★★★
High Contrast DIC (HC DIC)	
PlasDIC Contrast	
Phase Contrast (PH)	
VAREL Contrast	
Hoffman Modulation Contrast (HMC)	
Polarization Contrast (POL)	
Materials (Reflected Light) Applications	
BrightField (H)	
BrightField/DarkField (HD)	
Reflected Light DIC (RL DIC)	
High Contrast DIC (HC DIC)	
DIC with circular polarized light (C-DIC)	
Total Interference Contrast (TIC)	
Polarization Contrast (POL)	
Options	
Confocal Microscopy	■
- Ultra Violet	★★★★
- VIS (visible light)	★★★★★
NLO-IR / 2 Photon	★★

Objective Plan-Apochromat 10x/0.45 M27



(WD=2.1mm)

Mechanical Dimensions

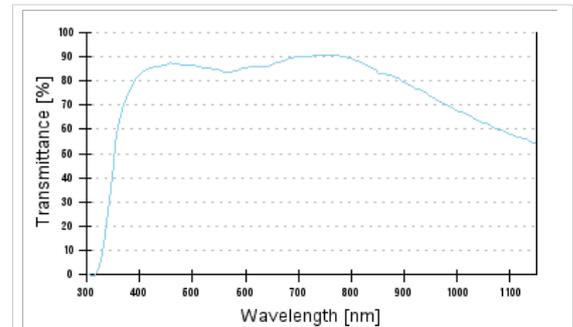


All measures in [mm]

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

Transmittance curve

Total Internal Reflection Fluorescence (TIRF)	
ApoTome	■
Microdissection	



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

Fitting Accessories for
420640-9900-000 Objective Plan-Apochromat 10x/0.45 M27

DIC sliders



DIC slider Planapo 10x/0.45 II
Order Number: 000000-1045-073

[→ Price](#)



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Other Accessories



Adapter 30mm with optics and DIC slider mount
Order Number: 424516-9040-000
for adaptation of objectives M27 with parfocal length of 45 mm

Note: This item is no longer available.

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Adapter 30mm with optics and DIC slider mount
Order Number: 424516-9041-000
for adaptation of objectives M27 with parfocal length of 45mm

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Objective ring ACR for objective sleeve cylindrical long
Order Number: 424511-0000-000

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Transmission grid L1 ApoTome for Axio Imager
Order Number: 423664-0000-000

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Transmission grid PL ApoTome
Order Number: 000000-1151-003
for Axioplan 2

[→ Price](#)



Transmission grid VL ApoTome
Order Number: 000000-1151-004
for Axio Observer and Axiovert 200

[→ Price](#)