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100X ZEISS EC Epiplan Objective

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ZEISS EC Epiplan Objectives



Stock **#13-827** [CONTACT US](#)

-

1

+

£1,628⁰⁰

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General	
422090-9902-000	Model Number:
Compatible Tube Lens Focal Length (mm): Focal Length: 164.50mm	
Microscope Objective	Type:

Typical Applications: Fluorescence, BrightField, Differential Interference Contrast, Reflected Light DIC, DIC with circular polarized light, total interference contrast	
Infinity Corrected	Style:
Zeiss	Manufacturer:
Physical & Mechanical Properties	
0.23	Field of View (mm):
44.15	Length excluding Threads (mm):
30	Maximum Diameter (mm):
165	Weight (g):
Optical Properties	
N/A	Compatible Cover Glass Thickness (mm):
1.60	Focal Length FL (mm):
100X	Magnification:
0.85	Numerical Aperture NA:
0.32	Resolving Power (µm):
0.38	Depth of Field (µm):
0.87	Working Distance (mm):
480 - 650	Wavelength Range (nm):
23	Field Number (mm):
45	Parfocal Length (mm):
N/A	Immersion Liquid:
Threading & Mounting	
M27 x0.75	Mounting Threads:
Environmental & Durability Factors	
+10 to +40	Operating Temperature (°C):
75% at 35°C	Operating Humidity:
Regulatory Compliance	
View	Certificate of Conformance:

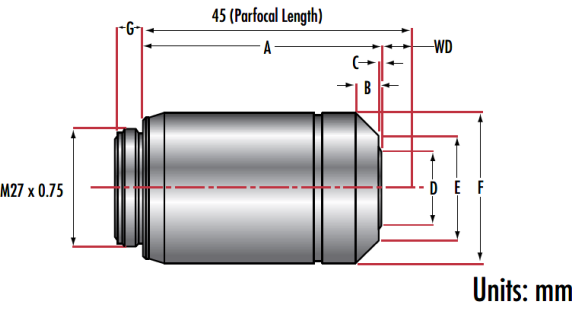
Product Details

- Ideal for Brightfield, Fluorescence, and Differential Interference Contrast Applications
- Enhanced Contrast
- Excellent Color Correction and Flatness of Field

ZEISS EC Epiplan Plan Achromat Infinity Corrected Objectives are plan achromats and feature excellent color correction and flatness of field. Designed to meet the requirements of ISO 19012-1:2013, these objectives are ideal for material microscopy applications. By minimizing stray light, these objectives enhance system contrast making them ideal for reflected light brightfield applications. ZEISS EC Epiplan Plan Achromat Infinity Corrected Objectives have a 23mm field number enabling large areas of magnification.

Note: Tube Lens [#13-828](#) is required when using ZEISS EC Epiplan Plan Achromat Infinity Corrected Objectives with non-ZEISS Infinity Color Corrected (ICS) microscope systems.

Technical Information



Stock No.	EC Epiplan	A	B	C	D	E	F	G	W.D.	PFL	Mounting Threads
#13-822	5X	33.20	2.10	6.00	11.6	22.5	30.0	3.9	11.80	45.00	M27x0.75
#13-823	10X	34.00	2.10	6.80	11.6	22.5	30.0	3.9	11.00	45.00	M27x0.75
#13-824	20X	41.80	7.40	3.80	12.6	22.5	30.0	3.9	3.20	45.00	M27x0.75
#13-825	40X	42.80	9.40	2.80	9.1	14.5	30.0	3.9	2.20	45.00	M27x0.75
#13-826	50X	44.05	8.10	5.35	9.0	22.5	30.0	3.9	1.00	45.00	M27x0.75
#13-827	100X	44.15	8.10	5.45	9.0	22.5	30.0	3.9	0.87	45.00	M27x0.75