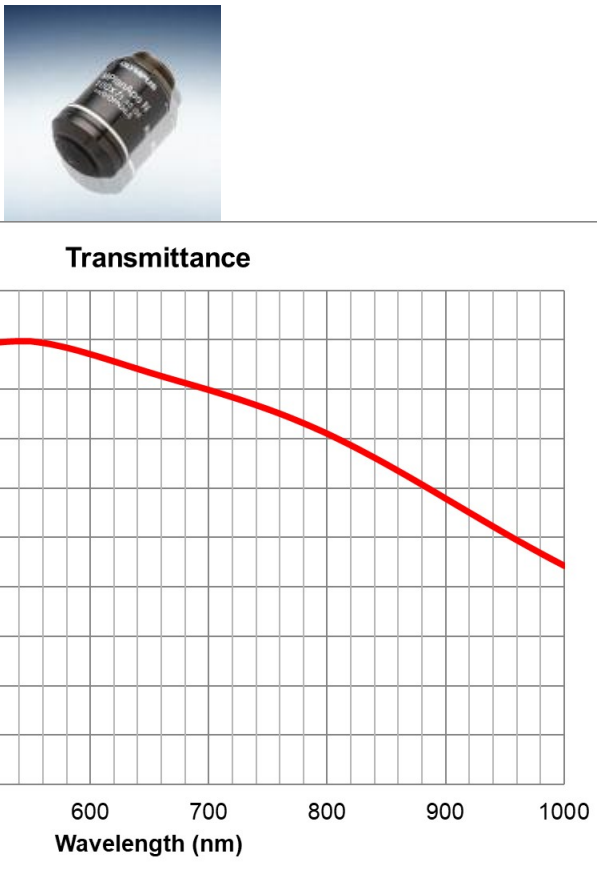
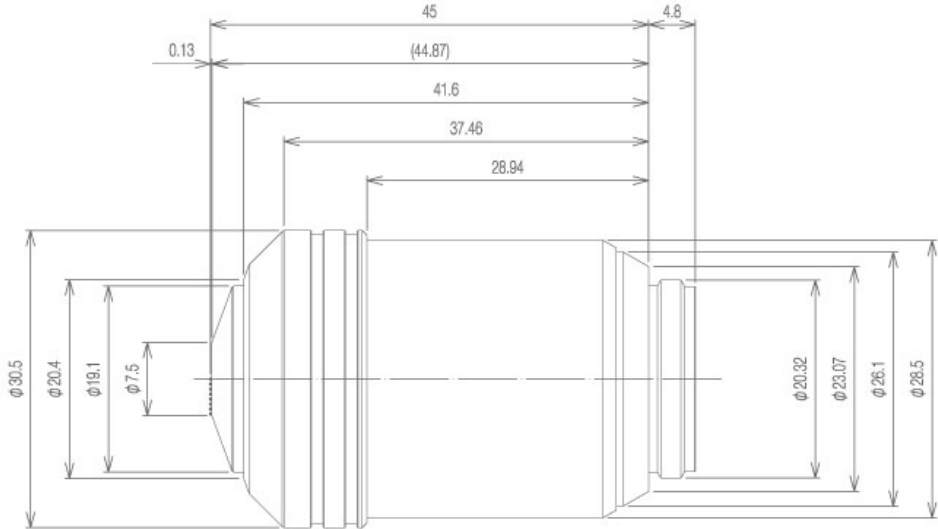


# MPLAPON100XO2

Product Name	MPLAPON100XO2
Image	 <p>The image shows a photograph of the MPLAPON100XO2 objective lens and a graph of its transmittance. The graph plots Transmittance (%) on the y-axis (0 to 100) against Wavelength (nm) on the x-axis (300 to 1000). The transmittance curve starts at 0% at 300 nm, rises sharply to about 85% at 400 nm, reaches a peak of approximately 90% between 450 nm and 550 nm, and then gradually declines to about 45% at 1000 nm.</p>
Dimension	 <p>The technical drawing shows the objective lens with various dimensions in millimeters. The overall length is 45 mm (44.87 mm). The diameter of the front flange is 30.5 mm. The diameter of the inner barrel is 20.4 mm. The diameter of the lens element is 19.1 mm. The diameter of the lens element is 7.5 mm. The diameter of the lens element is 20.32 mm. The diameter of the lens element is 23.07 mm. The diameter of the lens element is 26.1 mm. The diameter of the lens element is 28.5 mm. The diameter of the lens element is 4.8 mm. The diameter of the lens element is 0.13 mm. The diameter of the lens element is 41.6 mm. The diameter of the lens element is 37.46 mm. The diameter of the lens element is 28.94 mm.</p>
Inquiry	
Major Application	Industrial Life Science

Last updated: Dec 11 2020

Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.

# MPLAPON100XO2

Magnification [X]	100
Numerical Aperture (NA)	1.45
Working Distance (WD) [mm]	0.1
Objective Field Number [mm]	26.5
Cover Glass Thickness [mm]	0
Immersion Medium	Normal Oil
Spring Loaded	Yes
Correction Collar	N/A
Iris	N/A
Correction Level of Chromatic Aberration	Apochromat (APO)
Parfocalizing Distance [mm]	45
Back Focal Plane (BFP) Position [mm]	-19.1
Type of Screw Thread	W20.32×0.706 (RMS)
Brightfield (Reflected)	Limitation
Brightfield (Transmitted)	Excellent
Darkfield (Reflected)	N/A
Darkfield (Transmitted)	N/A
DIC (Reflected)	N/A
DIC (Transmitted)	Good
Phase Contrast	N/A
Relief Contrast	N/A
Polarization	Good
Fluorescence (B, G Excitation)	Good

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**MPLAPON100XO2**

UV Fluorescence (at 365 nm)	Good
Multiphoton	N/A
TIRF	N/A
IR	N/A
WLI	N/A
Auto Focus	N/A
Product Number	N5702700
UPC Code	1-UXB270