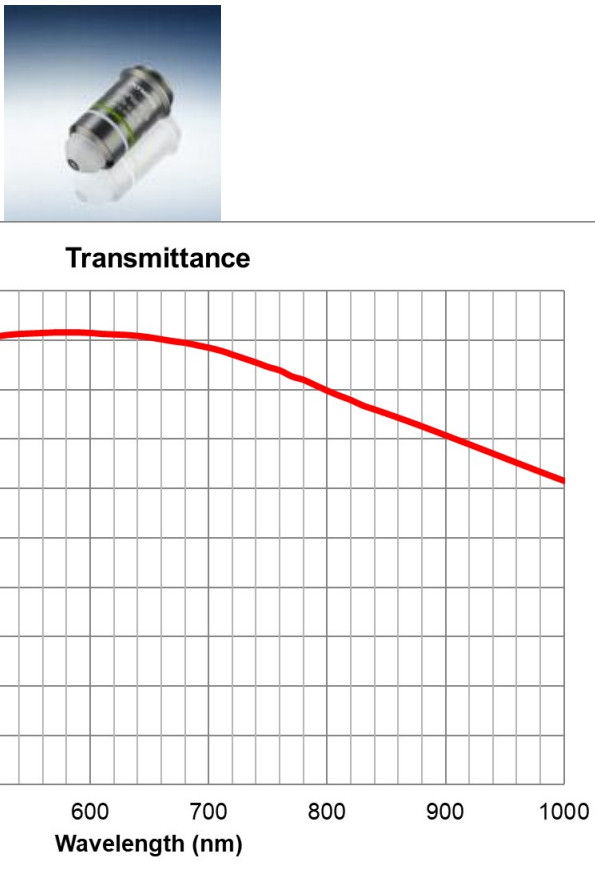
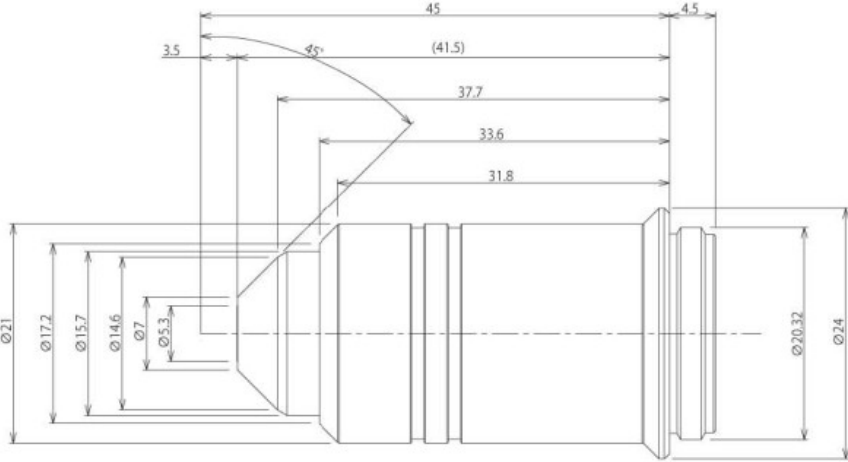


# UMPLFLN20XW

Product Name	UMPLFLN20XW
Image	 <p>The image shows the UMPLFLN20XW objective lens, a cylindrical component with a green band. Below it is a graph titled "Transmittance" showing the percentage of light transmitted through the lens across a range of wavelengths from 300 nm to 1000 nm. The y-axis represents Transmittance (%) from 0 to 100, and the x-axis represents Wavelength (nm) from 300 to 1000. The curve shows high transmittance (above 80%) between 400 nm and 700 nm, with a sharp drop-off below 350 nm and a gradual decline above 700 nm.</p>
Dimension	 <p>The technical drawing provides detailed dimensions for the objective lens. Key dimensions include:         <ul style="list-style-type: none"> <li>Overall length: 45 mm</li> <li>Distance from front flange to rear flange: 41.5 mm</li> <li>Distance from front flange to the start of the lens barrel: 3.5 mm</li> <li>Distance from front flange to the center of the lens barrel: 37.7 mm</li> <li>Distance from front flange to the center of the lens barrel (alternative measurement): 33.6 mm</li> <li>Distance from front flange to the center of the lens barrel (alternative measurement): 31.8 mm</li> <li>Front flange diameter: <math>\varnothing 21</math> mm</li> <li>Front flange thickness: 17.2 mm</li> <li>Front flange inner diameter: <math>\varnothing 15.7</math> mm</li> <li>Front flange inner diameter (alternative): <math>\varnothing 14.6</math> mm</li> <li>Front flange inner diameter (alternative): <math>\varnothing 7</math> mm</li> <li>Front flange inner diameter (alternative): <math>\varnothing 5.3</math> mm</li> <li>Rear flange diameter: <math>\varnothing 20.37</math> mm</li> <li>Rear flange thickness: 4.5 mm</li> <li>Rear flange outer diameter: <math>\varnothing 24</math> mm</li> <li>Field of view angle: <math>45^\circ</math></li> </ul> </p>
Inquiry	
Major Application	Life Science
Magnification [X]	20

Last updated: Dec 10 2020

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

# UMPLFLN20XW

Numerical Aperture (NA)	0.5
Working Distance (WD) [mm]	3.5
Objective Field Number [mm]	26.5
Cover Glass Thickness [mm]	0
Immersion Medium	Water
Spring Loaded	N/A
Correction Collar	N/A
Remarks (Correction Collar)	
Iris	N/A
Correction Level of Chromatic Aberration	Semiapochromat (FL)
Parfocalizing Distance [mm]	45
Back Focal Plane (BFP) Position [mm]	-19.1
Type of Screw Thread	W20.32×0.706 (RMS)
Brightfield (Reflected)	N/A
Brightfield (Transmitted)	Excellent
Darkfield (Reflected)	N/A
Darkfield (Transmitted)	Good
DIC (Reflected)	N/A
DIC (Transmitted)	Good
Phase Contrast	N/A
Relief Contrast	N/A
Polarization	Good

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**UMPLFLN20XW**

Fluorescence (B, G Excitation)	Excellent
UV Fluorescence (at 365 nm)	Excellent
Multiphoton	N/A
TIRF	N/A
IR	N/A
WLI	N/A
Auto Focus	N/A
Product Number	N2667600
UPC Code	1-U2M585