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Olympus LCPLN100XIR 100X NIR Objective

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Olympus LCPLN100XIR 100XNIR Objective

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₹9,48,300

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General	
LCPLN100XIR	Model Number:
Compatible Tube Lens Focal Length (mm): Focal Length: 180mm	
Microscope Objective	Type:
Infinity Corrected	Style:
	Manufacturer:

Olympus	
Physical & Mechanical Properties	
0.22	Field of View (mm):
43.80	Length excluding Threads (mm):
31.00	Maximum Diameter (mm):
184	Weight (g):

Optical Properties	
Compatible Cover Glass Thickness (mm): Glass: 0 - 0.7mm Silicon: 0 - 1.0mm	
1.80	Focal Length FL (mm):
100X	Magnification:
0.85	Numerical Aperture NA:
0.39	Resolving Power (μm):
0.38	Depth of Field (μm):
Glass: 1.20 - 0.90mm Silicon: 1.20 - 1.05mm	Working Distance (mm):
400 - 1600	Wavelength Range (nm):
22	Field Number (mm):
45	Parfocal Length (mm):
N/A	Immersion Liquid:

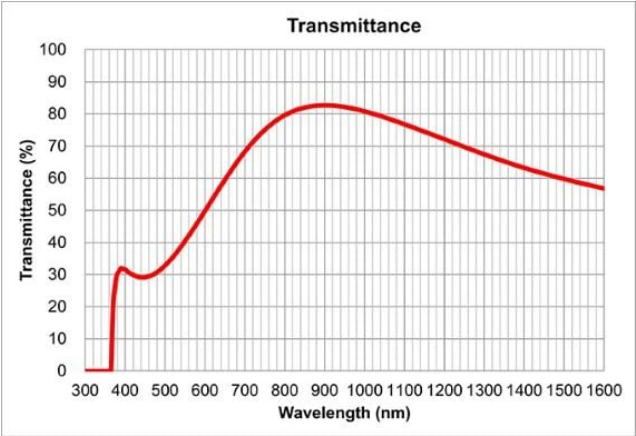
Threading & Mounting	
RMS / 20.32mm x 36 TPI	Mounting Threads:

Regulatory Compliance	
View	Certificate of Conformance:
Japan	Country of Origin:
Edmund Optics India Private Limited	Imported By:

Product Details

- Long Working Distances to Reduce Risk of Specimen Damage
 - Correction Collars to Adjust for Specimen Thickness
 - Ideal for Silicon Wafer Inspection
- Olympus Plan Achromatic Near-Infrared Objectives provide high transmission between 700 - 1600nm, making them an excellent choice for near-infrared microscopy when coupled with an NIR tube lens. These objectives feature long working distances to reduce the risk of damage to specimens and support up to field number 22 for observation. Magnifications of 20X and higher feature a correction collar to correct for aberrations based on the thickness of either the glass or silicon substrate being inspected. Olympus Plan Achromatic Near-Infrared Objectives are ideal for use in silicon wafer inspection to view the internal structure for defects.

Technical Information



LCPLN100XIR Transmission Graph

