

1064nm, 0.80 NA, foXXus Multi-Focus Objective | foXXus_0.015-0.047_NA0.8_1064

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AdlOptica foXXus Multi-Focus Objectives

Stock **#19-499** [CONTACT US](#)

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+

A\$16,949^{.00}

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General	
	Model Number:
foXXus_0.015-0.047_NA0.8_1064	
	Type:
Objective	
	Field of View (°):
±1	
	Note:
Includes foXXus objective and pre-mounted protective window (#19-500)	
Physical & Mechanical Properties	

Physical & Mechanical Properties	
39.60	Length (mm):
12.9	Clear Aperture CA (mm):
34.50	Diameter (mm):
Optical Properties	
8.10	Focal Length FL (mm):
0.80	Numerical Aperture NA:
1.0	Working Distance (mm):
1064	Design Wavelength DWL (nm):
25 mJ @ 5ns	Damage Threshold, By Design: ☐
12.9 (maximum)	Beam Diameter (mm):
25 mJ @ 5ns	Damage Threshold, Pulsed:
Threading & Mounting	
C-Mount	Mount:

Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 250:

Product Details

- Focus Laser Light to 1, 2, or 4 Focal Points Along the Optical Axis
- Available with 0.38 or 0.80 Numerical Apertures
- Aplanatic Designs for 515/1030nm and 1064nm Lasers
- [AdlOptica aplanoXX Aplanatic Objectives](#) Also Available

AdlOptica foXXus Multi-Focus Objectives focus laser light to multiple foci along the optical axis, increasing the effective depth of focus and enabling high speed multilayer cutting of materials with excellent quality. Optimized for either 515/1030nm or 1064nm, these objectives are designed to be used with ultrafast solid-state and fiber lasers such as Yb:doped fiber and Nd:YAG. By manual rotation of the objective's collar, 1, 2, or 4 foci can be selected by the user. AdlOptica foXXus Multi-Focus Objectives are ideal for use in micromachining and materials processing applications to cut glass, sapphire, silicon carbide, or other brittle materials. A replaceable front window protects these objectives from damage during materials processing.

Technical Information

