

foXXus_0.07-0.22_NA0.38



Objectives of patent pending design to generate multiple foci

Applications:

- Glass Cutting
- Cutting of Sapphire, SiC, other transparent brittle materials
- Microprocessing



Description		Objective lens with multiple foci	
ΔF , μm	air	2 foci: 72, 220	4 foci: 74-72-74
	Glass (x1.5)	2 foci: 110, 338	4 foci: 114-110-114
	Al_2O_3 (x1.76)	2 foci: 128, 394	4 foci: 133-128-133
Beam full diameter, mm		12.9	
Numerical aperture (NA)		0.38	
Focal length (F), mm		17.0	
Working Distance, mm		9.8	
Spectral band, nm		_1064: 1020 - 1100 _532: 510 - 550 _355: 340 - 370 other wavelengths on request	
2ω , μm waist in air	1064 nm	2.5	
	532 nm	1.3	
	355 nm	0.9	
Angular field		$\pm 1^\circ$	
Recommended maximum pulse energy		25 mJ at 5 ns	
Mounting		C-Mount (1"-32 UN 2A)	
Diameter, mm		39	
Length, mm		39.8	

Specifications are subject to change without notice

Comments:

- the foXXus objectives create 1, 2 or 4 foci along the optical axis,
- Denomination: foXXus_0.07-0.22_NA0.38_1064
 ΔF in air, mm _____
 Numerical aperture _____
 Wavelength, nm _____



