

02-010 High Power Fiber Optic Collimator

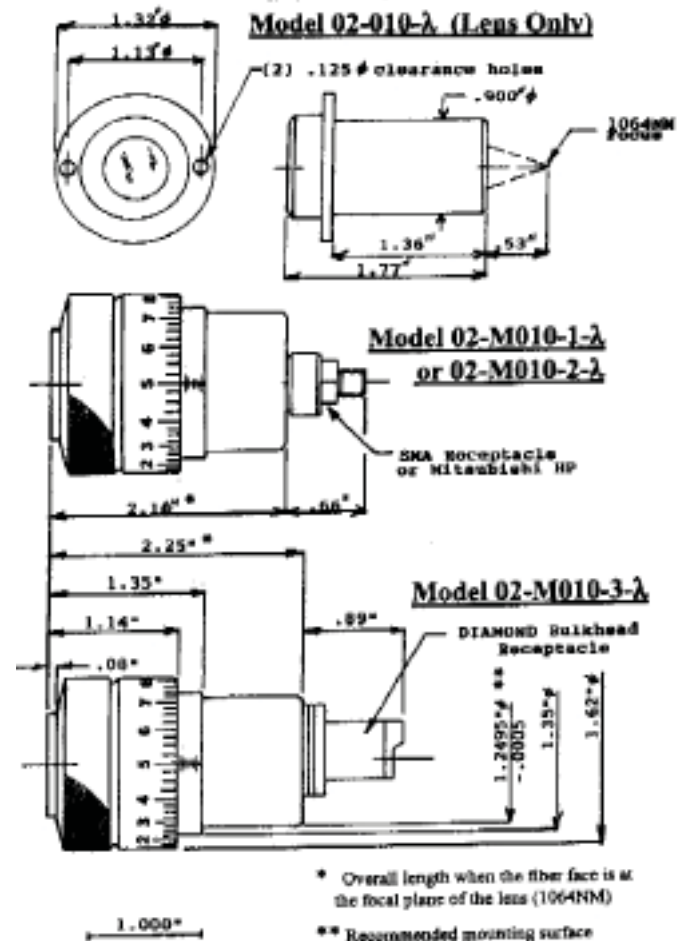
The model 02-010 High Power Fiber Collimator is a three element, air spaced anastigmat designed specifically for collimating the output of large diameter silica fibers used in high power medical and industrial applications. Each radius of curvature is designed to prevent retroreflections near the fiber face or within the core material. All lens elements are fused silica with V-type anti reflection coatings. Although 1064nm is the standard wavelength, coatings for other wavelengths are available.

The 02-010 High power Fiber Collimator is also available mounted in a mechanical assembly that allows a precise translation of the lens (without rotation) relative to the fiber face. Standard options most popular connector types.

Specifications

Numerical Aperture	0.25
F/Number	2.0
Field of view	4.2 deg
Resolution at 2deg	5 micron
Resolution at 4deg	10 micron
Output aperture	15mm
Transmittance	98.3%
EFL at 1064nm	30.0mm
BFL at 1064nm	13.9mm
EFL at 810nm	29.8mm
BFL at 810nm	13.7mm

Handles power in excess of 1 kilowatt
Astigmatic correction over a 4 deg field



* Overall length when the fiber face is at the focal plane of the lens (1064NM)

** Recommended mounting surface