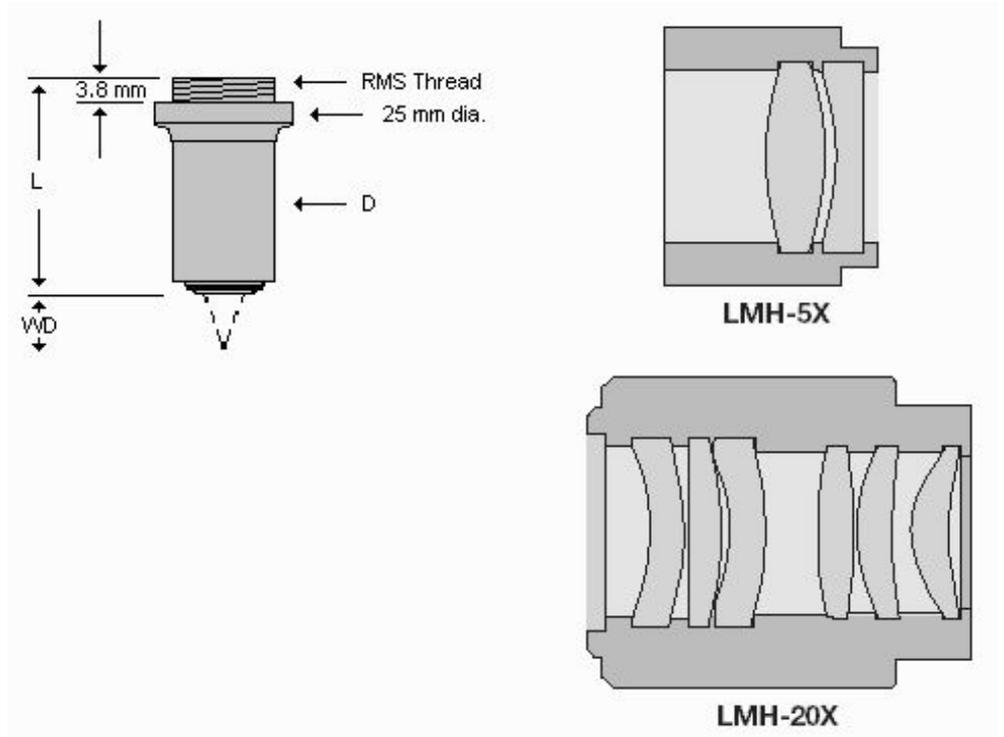


High Power Nd:YAG Microspot Focusing Objectives are designed to transmit and focus the high power radiation emitted by industrial Nd:YAG lasers.

Materials	Energy Throughput	Coating	Damage Threshold
Fused Silica	>96-98% within design spectrum	High power damage-resistant, multilayer antireflection coating optimized for 532 nm or 1064 nm. Other coatings available upon request.	500 MW/cm <sup>2</sup> NOTE: Power rating based upon 20ns pulses, 20 Hz, 532 nm or 1064 nm.

The high Power Nd:YAG Objectives are designed for diffraction-limited performance at 1064 nm. Near-diffraction limited performance can be achieved outside the design spectrum, including the visible spectrum. Inquire. Focal length at 532 nm is 2% shorter than at 1064 nm.



### High Power Nd:YAG Laser Micro Spot FOCUSING OBJECTIVES

Catalog Number	Working Distance	Effective Focal Length	Numerical Aperture	Theoretical Focal Spot Diameter	Entrance Aperture	D	L
LMH-5X-532 or 1064	35 mm	40 mm	0.13	12 μm*	10 mm	21 mm	28 mm
LMH-10X-532 or 1064	15 mm	20 mm	0.25	6 μm*	10 mm	21 mm	28 mm
LMH-20X-532 or 1064	6 mm	10 mm	0.40	4 μm*	8 mm	21 mm	38 mm

\*NOTE that Theoretical Focal Spot Diameter values are based on a Gaussian profile input beam at Design Wavelength which fills the entrance Aperture at 1/e<sup>2</sup> limits.