

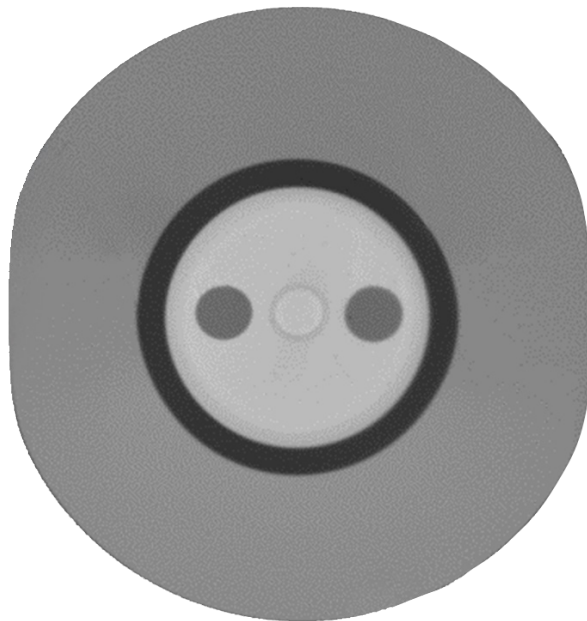
Ytterbium-Doped Very-Large-Mode Area Polarization Maintaining Fiber

Yb-35/200/450-VLMA-PM

Key Features

- **Ease of Splicing:** The fiber's all-solid design enhances splicing simplicity and repeatability, overcoming the challenges associated with PCF designs
- **Superior Output Stability:** Utilizing low-photodarkening Yb glass fiber ensures consistent and reliable output, providing dependable performance across various applications. Shaped cladding ensures repeatable bending performance
- **Exceptional Beam Quality:** Manufactured with proprietary vapor phase doping technology, the core material features a precise refractive index profile shape and geometry. This ensures high-quality beam output, meeting the stringent requirements of precision-demanding applications
- **High Quality Manufacturing:** Lumentum fibers are produced with meticulous attention to quality, ensuring exceptional performance in every fiber. Manufacturing line is designed by Kaizen principles and enables perfect scalability

Optimised for pulsed applications, Lumentum's advanced Ytterbium-doped Very-Large-Mode Area Polarization Maintaining Fiber offers significant advantages in performance and stability.



GENERAL INFORMATION	
Part number	22206266
Mode properties	Single mode
Core material	Yb - doped fused silica
Inner cladding material	Pure fused silica
Coating type	High-temperature dual layer low RI
Typical application	Ultrafast pulsed lasers

PERFORMANCE CHARACTERISTICS		
Parameter	Unit	Typical value
Beam quality @ 1030 nm	/	$M^2 < 1.2$
Polarization extinction ratio @1030 nm	dB	> 15
Optical efficiency	%	> 70

OPTICAL CHARACTERISTICS		
Parameter	Unit	Specification
Mode field diameter, 1/e ² @ 1030 nm	μm	32 ± 3
Inner cladding absorption @ 915 nm	dB/m	4.5 - 6.5
Inner cladding absorption @ 976 nm, calculated	dB/m	~16
Inner cladding NA		0.26 ± 0.02
Outer cladding NA		~0.48

PHYSICAL CHARACTERISTICS		
Parameter	Unit	Specification
Core diameter	μm	~35
Pump cladding diameter	μm	197 - 203
Outer cladding diameter	μm	430 - 470
Secondary coating diameter	μm	510 - 570

Ordering Information

For more information on this or other products and their availability, please contact your local Lumentum account manager or Lumentum directly at customer.service@lumentum.com.



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