



Nufern Laser Component and Delivery Fibers

As the world's largest independent specialty fiber manufacturer, Nufern offers our customers access to the broadest selection of fibers. This includes passive fibers perfectly matched to many of our active fibers—a convenience that saves time and increases quality in the production of lasers and amplifiers.

In addition to the standard fibers whose passive counterparts are listed below, we have made approximately 250 others, matched to the custom fibers in our portfolio. Capabilities include core diameters up to 200 μm , clad diameters up to 600 μm , and both low refractive index acrylate (double clad) and high refractive index acrylate (single clad), single mode, multimode, polarization maintaining (PM), large mode area (LMA), and large flattened mode (LFM) designs.

Active Fiber Part #	Passive Part #	Description	Core/Clad Diameter	NA
Ytterbium Fibers				
SM-YSF-LO/HI	1060-XP	1060-XP	5/125	0.14
PM-YSF-LO/HI	PM980-HP	PM980-HP	6/125	0.11
SM-YDF-5/130	FUD-3340	1060-GDF	5/130	0.12
PM-YDF-5/130	FUD-3409	PM1060-GDF	5/130	0.12
LMA-YDF-10/130	FUD-3583	SM-GDF-10/125	10/125	0.08
PLMA-YDF-10/125	FUD-3499	PM085-LNA-FA	10/125	0.085
LMA-YDF-10/400	FUD-3455	LMA-GDF-10/400	10/400	0.08
LMA-YDF-15/130	FUD-3539	LMA-GDF-15/130	15/130	0.08
PLMA-YDF-15/130	FUD-3257	PLMA-GDF-15/130	15/130	0.08
LMA-YDF-20/400	FUD-3180	LMA-GDF-20/400	20/400	0.06
LMA-YDF-20/400-VIII	FUD-3180	LMA-GDF-20/400	20/400	0.06
PLMA-YDF-20/400-VIII	FUD-3276	PLMA-GDF-20/400	20/400	0.06
LMA-YDF-25/250-VIII	FUD-3402	LMA-GDF-25/250	25/250	0.06
PLMA-YDF-25/250-VIII	FUD-3395	PLMA-GDF-25/250	25/250	0.06
PLMA-YDF-25/400-VIII	FUD-3628	PLMA-GDF-25/400	25/400	0.06
LMA-YDF-30/250	FUD-3271	LMA-GDF-30/250	30/250	0.06
LMA-YDF-30/250-HI	FUD-3271	LMA-GDF-30/250	30/250	0.06
PLMA-YDF-30/250	FUD-3272	PLMA-GDF-30/250	30/250	0.06
PLMA-YDF-30/250-HI	FUD-3272	PLMA-GDF-30/250	30/250	0.06
LMA-YDF-30/400	FUD-3289	LMA-GDF-30/400	30/400	0.06
LMA-YTF-22/400/480	FUD-3355	PS-GTF-20/400/480	20/400	0.06
Thulium Fibers				
PM-TSF-9/125	Standard Product	PM 1950	9/125	0.20
PM-TDF-10/130	FUD-3915	PM-GDF-10/130-15FA	10/130	0.15
LMA-TDF-25/250	FUD-3440	MM-GDF-25/250-11FA	25/250	0.11
MM-TDF-25/250	FUD-3416	PS-GDF-25/250-22FA	25/250	0.22
LMA-TDF-25P/400	FUD-3793	MM-GDF-25/400-11FA	25/400	0.11
PLMA-TDF-25P/400	FUD-3716	PLMA-GDF-25/400-10FA	25/400	0.10
Erbium/Ytterbium Fibers				
SM-EYDF-6/125-HE	FUD-3236	1550-GDF	6/125	0.12
PM-EYDF-6/125-HE	FUD-3500	PM1550-GDF	6/125	0.12
MM-EYDF-12/130	FUD-3863	MM-DSF-12/125	12/130	0.18
PLMA-EYDF-25/300	FUD-3634	PLMA-GDF-25/300-10FA	25/300	0.10

Note: Most of these passive fibers are custom products, and therefore availability cannot be guaranteed.



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Nufern follows a policy of continuous product improvement. Specifications are subject to change without notice. Let us know how Nufern can assist with your requirements.



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