



# 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 100 others, matched to the custom fibers in our portfolio. Capabilities include core diameters up to 200  $\mu\text{m}$ , clad diameters up to 600  $\mu\text{m}$ , 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	Passive Part #	Description	Core/Clad Diameter	NA
<b>Ytterbium Fibers</b>				
SM-YSF-LO/HI	1060-XP	1060-XP	5/125	0.13
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	0.075
PLMA-YDF-10/125	FUD-3499	PM085-LNA-FA	10/125	0.085
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
SM-YDF-7/210	FUD-3386	PS-GDF-7/210	7/210	0.10
LMA-YDF-25/250	FUD-3402	LMA-GDF-25/250	25/250	0.06
PLMA-YDF-25/250	FUD-3395	PLMA-GDF-25/250	25/250	0.06
LMA-YDF-30/250	FUD-3271	LMA-GDF-30/250	30/250	0.06
PLMA-YDF-30/250	FUD-3272	PLMA-GDF-30/250	30/250	0.06
LMA-YDF-10/400	FUD-3455	LMA-GDF-10/400	10/400	0.08
LMA-YDF-20/400	FUD-3180	LMA-GDF-20/400	20/400	0.06
PLMA-YDF-20/400	FUD-3276	PLMA-GDF-20/400	20/400	0.06
PLMA-YDF-25/400	FUD-3628	PLMA-GDF-25/400	25/400	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
<b>Erbium/Ytterbium Fibers</b>				
SM-EYDF-7/130	FUD-3236	1550-GDF	7/130	0.12
PM-EYDF-7/130	FUD-3500	PM1550-GDF	7/130	0.12
PM-EYDF-18/250	FUD-3379	PM-GDF-18/250	18/250	0.18
PLMA-EYDF-25/300	FUD-3634	PLMA-GDF-25/300-10FA	25/300	0.10
<b>Thulium Fibers</b>				
MM-TDF-25/250	FUD-3416	PS-GDF-25/250-22FA	25/250	0.22
LMA-TDF-25/250	FUD-3440	MM-GDF-25/250-11FA	25/250	0.11

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



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