

Erbium-Doped Fibers



C-Band

Fiber Name	Peak Absorption @ 1530 nm	Numerical Aperture	Mode Field Diameter	Cutoff Wavelength	Cladding/Coating Diameter	Part Number
MP980	6.0 dB/m	0.23	5.6 μm	875 nm	125/250 μm	107 770 935
MP980 80	6.0 dB/m	0.23	5.6 μm	875 nm	80/165 μm	300 378 718
R37003	7.0 dB/m	0.27	4.9 μm	900 nm	125/245 μm	107 993 263
R37003X	7.0 dB/m	0.27	4.9 μm	900 nm	125/245 μm	R37003X
R37003 80	7.0 dB/m	0.28	4.9 μm	900 nm	80/200 μm	R37003 80
R37004	7.0 dB/m	0.22	5.9 μm	905 nm	125 /245 μm	107 993 263
HP980X	6.5 dB/m	0.18	6.0 μm	1100 nm	125/250 μm	552 ERFB 001
HE980	3.5 dB/m	0.29	4.4 μm	875 nm	125/250 μm	107 528 366
HE980 80	3.5 dB/m	0.29	4.4 μm	875 nm	80/165 μm	300 378 726

Typical PMD ≤ 2 fs/m

L-Band

Fiber Name	Peak Absorption @ 1530 nm	Numerical Aperture	Mode Field Diameter	Cutoff Wavelength	Cladding/Coating Diameter	Part Number
LSL	17.5 dB/m	0.25	5.2 μm	1250 nm	125/250 μm	108 729 864
LSL 80	17.5 dB/m	0.25	5.2 μm	1250 nm	80/165 μm	300 378 742
R37103	20 dB/m	0.25	5.4 μm	950 nm	125/245 μm	108 729 872
R37102 80	20 dB/m	0.28	4.9 μm	950 nm	80/200 μm	R37102 80
LRL	30 dB/m	0.25	5.2 μm	1250 nm	125/250 μm	109 108 910
LRL 80	30 dB/m	0.25	5.2 μm	1250 nm	80/165 μm	300 378 734
R37105 XL	10 dB/m	0.23	6.0 μm	950 nm	125/245 μm	109 108 928

Typical PMD ≤ 2 fs/m

ASE Sources

Fiber Name	Peak Absorption @ 1530 nm	Numerical Aperture	Mode Field Diameter	Cutoff Wavelength	Cladding/Coating Diameter	Part Number
R37005	15 dB/m	0.28	4.4 μm	900 nm	125/250 μm	107 993 271
RE120101 80	25 dB/m	0.31	3.6 μm	1000 nm	80/190 μm	RE120101 80
HG980	17.5 dB/m	0.29	4.4 μm	875 nm	125/250 μm	107 528 974

Other Doped Fibers

Fiber Name	Peak Absorption	Numerical Aperture	Mode Field Diameter	Cutoff Wavelength	Cladding/Coating Diameter	Part Number
EDF 80	80 dB/m @ 1530 nm	0.29	4.9 μm	1000 nm	125/245 μm	EDF 80
EDF 150	150 dB/m @ 1530 nm	0.29	4.9 μm	925 nm	125/245 μm	EDF 150
R37PM01	18 dB/m @ 1530 nm	0.29	4.5 μm	1000 nm	125/245 μm	R37PM01
R37PM02	9 dB/m @ 1530 nm	0.25	4.9 μm	920 nm	125/245 μm	R37PM02
R37501 Er	20 dB/m @ 1530 nm	0.23	5.5 μm	890 nm	125/245 μm	R37501 Er
R38501 Tm	200 dB/m @ 790 nm	0.26	5.0 μm	1350 nm	125/245 μm	R3850 Tm
R39501 Yb	110 dB/m @ 915 nm 350 dB/m @ 977 nm	0.23	4.9 μm	890 nm	125/245 μm	R39501 Yb



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