

RightWave Erbium-Doped Fibers						
Fiber	Peak Absorption	Numerical Aperture	Mode Field Diameter	Cutoff Wavelength	Cladding/Coating Diameter	Part Number

C-Band

GP980	near 1530 nm; 10.0 to 13 dB/m	0.23 to 0.27	@ 1550 nm; 4.8 to 6.0 μm^*	800 to 950 nm	125/250 μm	22904
MP980	near 1530 nm; 5.0 to 7.0 dB/m	0.21 to 0.25	@1550 nm; 4.9 to 6.3 μm^*	800 to 950 nm	125/250 μm	27299
MP980-II	near 1530 nm; 6.0 to 9.0 dB/m	0.22 to 0.24	@1550 nm; 5.1 to 5.9 μm^*	≤ 1300 nm	125/250 μm	61376
HP980X	near 1530 nm; 5.5 to 7.5 dB/m	0.16 to 0.20	@ 1550 nm; 6.0 to 7.8 μm^*	1000 to 1200 nm	125/250 μm	61378
HE980	near 1530 nm; 2.5 to 4.5 dB/m	0.27 to 0.31	@ 1550 nm; 3.6 to 5.2 μm	910 nm	125/250 μm	61380
R37003X	1530 nm; 7.0 ± 1 dB/m	0.27	@ 1550 nm; 4.9 ± 0.5 μm	840 to 960 nm	125/245 μm	27270

L-Band

LSL	near 1530 nm; 15 to 20 dB/m	0.23 to 0.27	@ 1550 nm; 4.5 to 5.4 μm^*	1100 to 1400 nm	125/250 μm	61372
LRL	near 1530 nm; 27 to 33 dB/m	0.23 to 0.27	@ 1550 nm; 4.5 to 5.4 μm^*	1100 to 1400 nm	125/250 μm	61373
LPL	near 1530 nm; 33 to 40 dB/m	0.23 to 0.27	@ 1550 nm; 4.5 to 5.4 μm^*	1100 to 1400 nm	125/250 μm	76675
R37103e	@ 1530 nm; 16 to 24 dB/m	0.25	@ 1550 nm; $5.4 + 0.5$ μm	840 to 890 nm	125/245 μm	27325

ASE Sources and Remote Optically Pumped Amplifiers

HG980	near 1530 nm; 15 to 20 dB/m	0.27 to 0.31	@ 1550 nm; 3.6 to 5.2 μm^*	800 to 950 nm	125/250 μm	61379
LP980	custom	0.35 to 0.37	@ 1550 nm; 3.6 to 5.2 μm^*	800 to 950 nm	125/250 μm	76943

80 μm EDF for Compact Amplifiers

R37003X 80	near 1530 nm; 6 to 8 dB/m	0.27	@ 1550 nm; $4.9 + 0.5$ μm	840 to 960 nm	80/165 μm	40902
LSL 80	near 1530 nm; 15 to 20 dB/m	0.23 to 0.27	@ 1550 nm; 4.7 to 5.7 μm^*	1100 to 1400 nm	80/165 μm	75882
LRL 80	near 1530 nm; 27 to 33 dB/m	0.23 to 0.27	@ 1550 nm; 4.7 to 5.7 μm^*	1100 to 1400 nm	80/165 μm	76176
LPL 80	near 1530 nm; 33 to 40 dB/m	0.23 to 0.27	@ 1550 nm; 4.7 to 5.7 μm^*	1100 to 1400 nm	80/165 μm	76178

Polarization Maintaining EDF

EDF07 PM SR	near 1530 nm; 6.8 dB/m	0.25	5.4 μm	955 nm	125/245 μm	31946
EDF25 PM EC	@ 1530 nm; 25 dB/m	0.26	5.0 μm	1000 nm	125/245 μm	27242
EDF50 PM EC	near 1530 nm; 50 dB/m	0.29	4.3 μm	1250 nm	125/245 μm	27281

Highly Doped Erbium EDF, Ytterbium and Thulium Doped EDF

EDF 80	near 1530 nm; 80 dB/m	0.29	@ 1550 nm; 4.3 μm	950 nm	125/245 μm	27308
EDF150	near 1530 nm; 150 dB/m	0.29	@ 1550 nm; 4.3 μm	925 nm	125/245 μm	27307
EDF150 LD	near 1530 nm; 150 dB/m	0.22	@ 1550 nm; 5.6 μm	925 nm	125/245 μm	27326
YbDF320 PM EC	@ 915 nm; 100 dB/m @ 977 nm; 320 dB/m	0.23	@ 1000 nm; 3.6 μm	1000 nm	125/245 μm	40906
YbDF350	@ 915 nm; 110 dB/m @ 977 nm; 350 dB/m	0.23	@ 1000 nm; 3.6 μm	890 nm	125/245 μm	40908
TmDF200	@ 790 nm; 200 dB/m	0.26	@ 1700 nm; 5.0 μm	1350 nm	125/245 μm	40910

* as determined by the Peterman II definition.

NOTE: The operating temperature ranges are general guidelines. Consult with our Technical Sales department to determine the optimal coating and jacketing material for your specific application. 1.860.678.6636