

Loss-Free Fused Fiber Components

Perfect Combination

Between

HI1060FLEX Fiber and Superfusion Process



Loss-Free Fused Fiber Components

Achieved

Zerolized Excess Loss: 0.005dB

For 980/1550nm WDMs

In the World



Comparison Results for Three Different Fibers

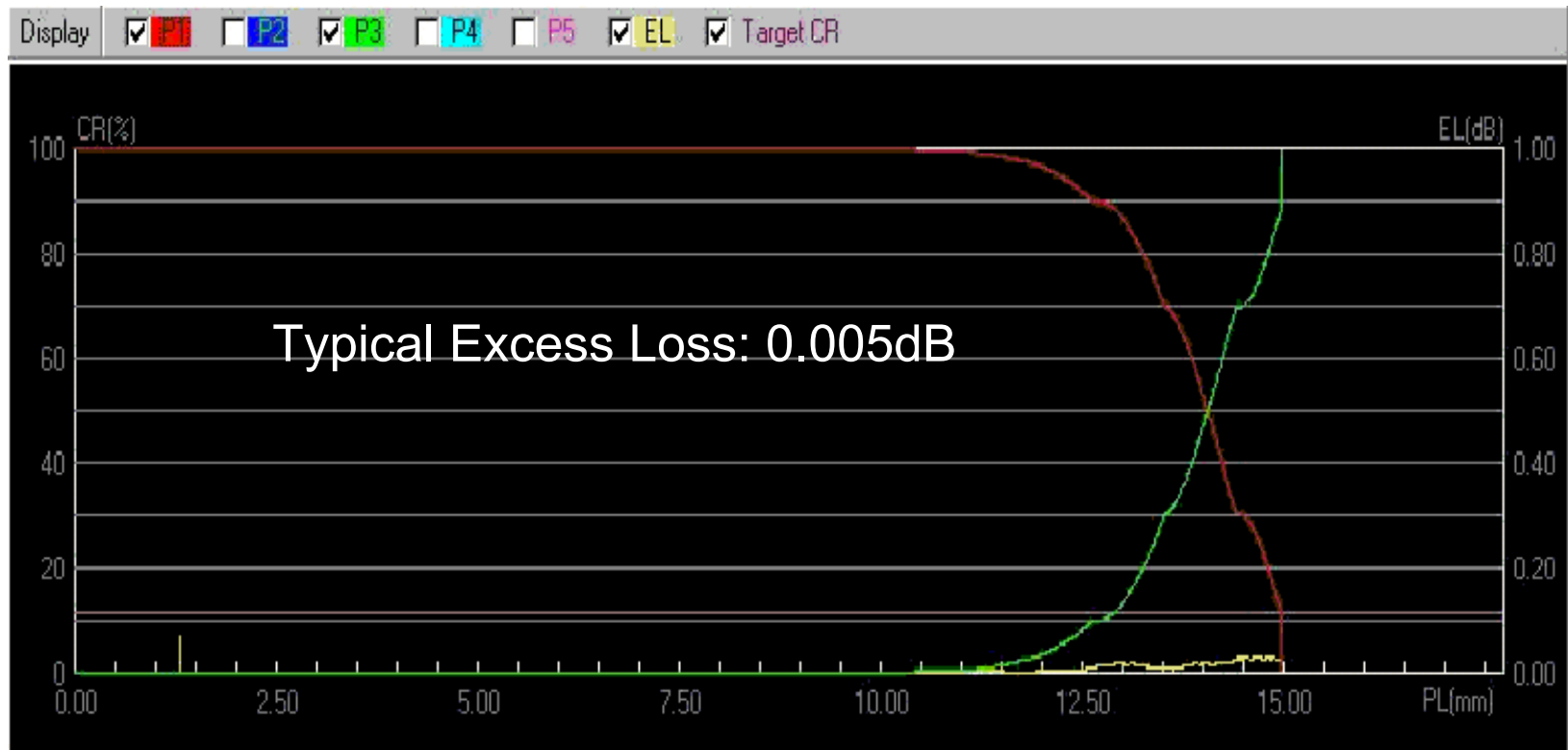
980/1550nm WDM performances in Pump/Signal Bandwidth

	Max Insertion Loss (dB) within bandwidth	Typical Excess Loss (dB)	Min Isolation (dB) within Bandwidth
HI980	0.25	0.16	20
HI1060	0.2	0.12	20
HI1060FLEX	0.05	0.005	20



Comcore Technologies' Fused Components

1. Excess Loss versus Pulling Length



Comcore Technologies' Fused Components

2. Outstanding Performance for 980/1550nm WDMs

Typical Excess Loss : 0.005 dB

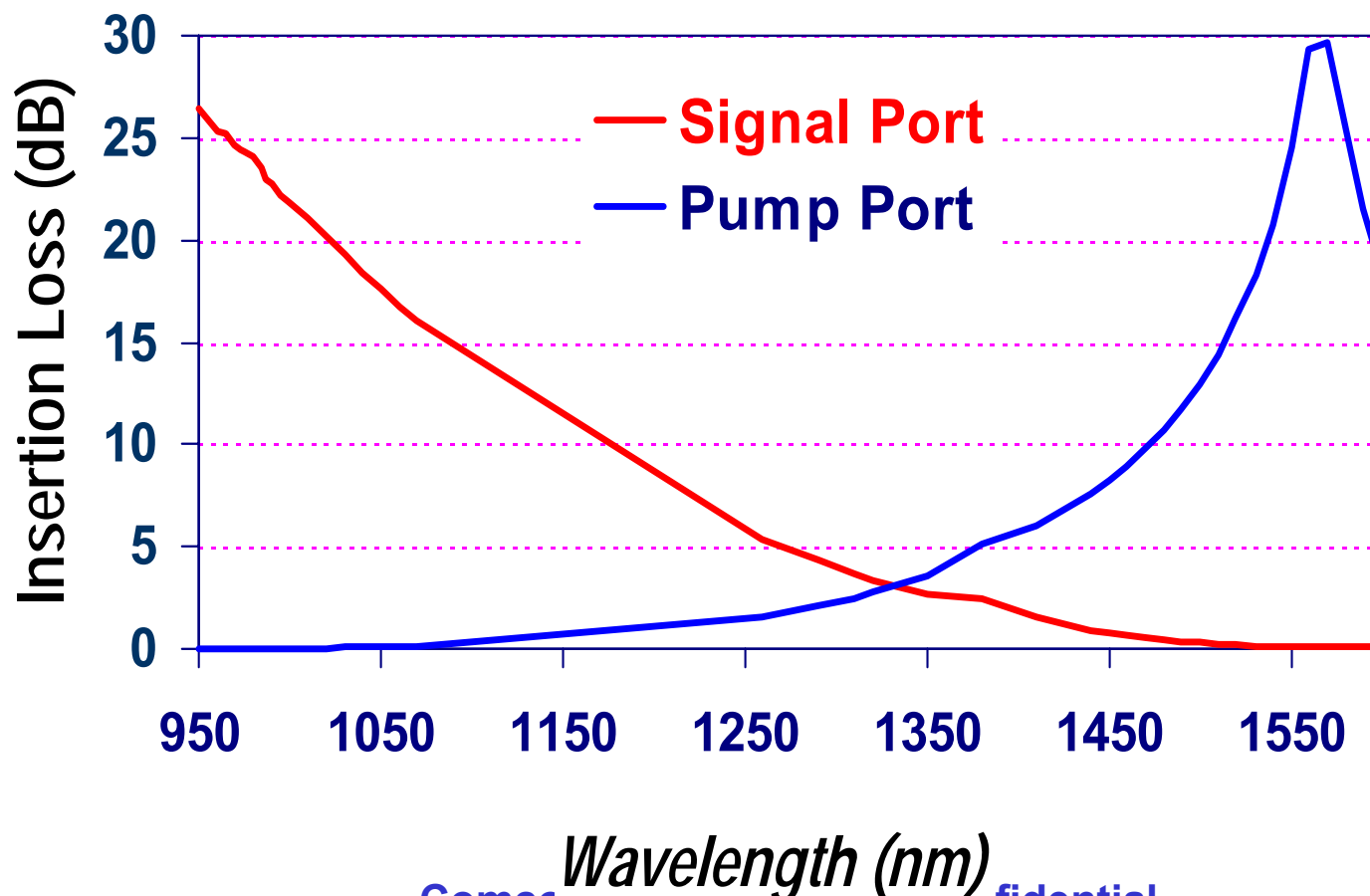
Typical Insertion Loss at 980 & 1550nm: 0.01dB

Typical Isolation at 1550nm:30dB



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3. Insertion Loss versus Wavelength



Comcore Technologies' Fused Components

4. Sampling Performance Results

	WDM1	WDM2	WDM3	WDM4
Insertion Loss @980	0.017	0.020	0.015	0.018
Isolation @ 980	25.400	24.600	23.800	25.100
Insertion Loss @1550	0.011	0.009	0.009	0.012
Isolation @1550	29.800	30.100	30.900	29.500



Comcore Technologies' Fused Components

5. Manufacturing Capacity & Cost

– **Manufacturing In Volume**-10000 pcs/month

– **Cost Comparable**



Comcore Technologies' Fused Components

6. Comcore Technologies' WDM Benefits

Most EDFA makers will see significant benefits when migrating to Comcore Technologies' 980/1550nm WDMs

- Improved Noise Figure
- Increased Output Power and Gain
- Improved Pump Efficiency

