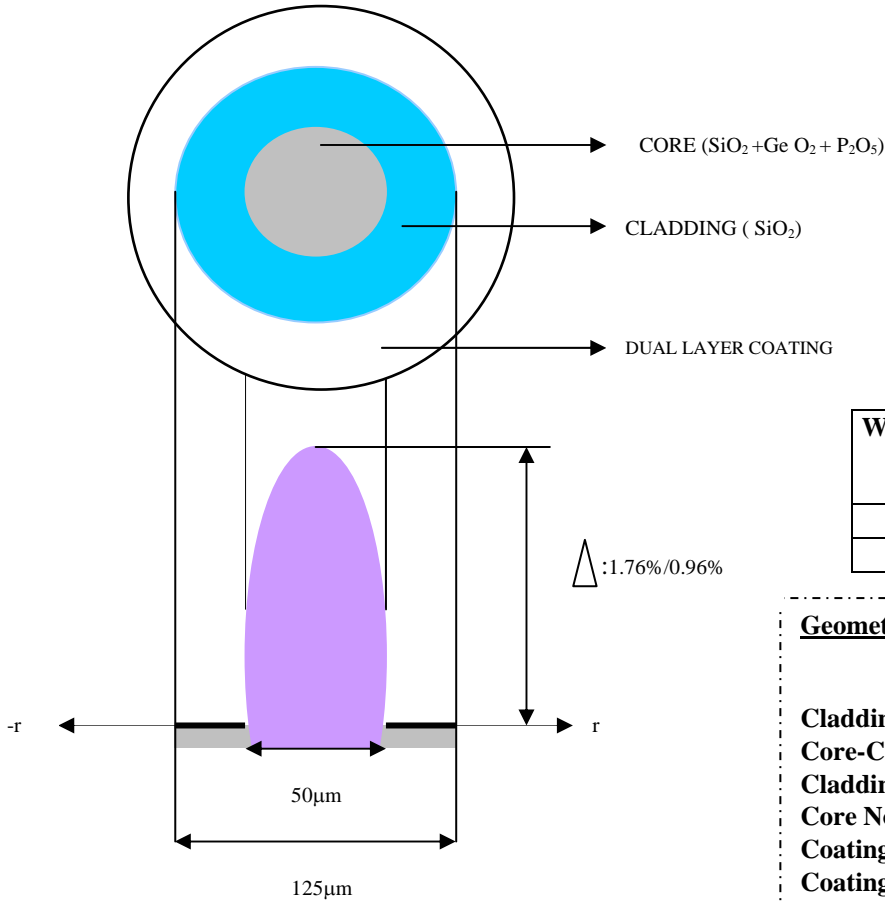


MULTI MODE FIBER SPECIFICATIONS

50 / 125 μm Multimode Optical Fiber



CORE DIAMETER : $50 \pm 2,5 \mu\text{m}$

ATTENUATION

- $\leq 2,5 / 0,6 \text{ dB/km}$ at 850/1300 nm
- No point discontinuity greater than 0,1 dB
- Water Peak at $1383 \pm 3 \text{ nm} \leq 2$
- Macrobending 75 mm 100 turns

$\leq 0,5 \text{ dB}$ at 850/1300 nm

Wavelength (nm)	Bandwidth (MHz.km)
	Standard
850	500 \uparrow
1300	500 \uparrow

Geometrical Specifications

Cladding Diameter	: $125 \pm 1,5 \mu\text{m}$
Core-Cladding Concentricity	: $\leq 1,5 \mu\text{m}$
Cladding non-Circularity	: $\leq 1,5 \%$
Core Non-Circularity	: $\leq 5,0 \%$
Coating Diameter	: $245 \pm 8 \mu\text{m}$
Coating / Cladding Concentricity	: $\leq 10 \mu\text{m}$

Test Conditions	Induced Attenuation (dB/km)	
	850 nm	1300 nm
Temperature Dependence -60°C to $+85^\circ \text{C}$	$\leq 0,20$	$\leq 0,20$
Temp-Humid Cycling -10°C to $+85^\circ \text{C}$	$\leq 0,20$	$\leq 0,20$

Performance Specifications

Effective Group Index of Refraction (Neef)

- 850 nm 1,483
- 1300 nm 1,479

Fatigue Resistance Parameter (nd) 20

Coating Strip Force

- $1,3 \text{ N} \leq \text{S.F.} \leq 8,9 \text{ N}$