



OPTICAL FIBER DATA SHEET

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Item Number: **PS-ESF-3/125**



Description: **Er-Doped Photosensitive Optical Fiber**

Lot Number: **22-B3009-00-3B-03-04**



Fiber Length (m): **100**



Fiber Data						
Parameter	Specification			Actual		Compliance
	Min	Max	Units	Top	Bottom	
Peak Core Absorption near 1530 nm	7.5	9.5	dB/m	8.2	8.2	Pass
Cutoff	870	970	nm	953	943	Pass
Mode Field Diameter at 1550 nm	4	6	μm	4.7	4.8	Pass
Clad Diameter	124	126	μm	125	124.9	Pass
Core/Clad Offset	0	0.5	μm	0.11	0.2	Pass
Coating Diameter	230	260	μm	244.9	246	Pass
Coating-Clad Concentricity	0	5	μm	0.6	0.7	Pass
Proof test Level	100	120	kpsi	116	116	Pass

Design Information				
Parameter	Min	Max	Nom	Units
Core NA			0.28	
Operating Temperature Range	-40	85		°C
Operating Wavelength			1550	nm
Core Diameter			3	μm

Comments:

Original Approval:

J. Zhang

Date:

1/4/2023