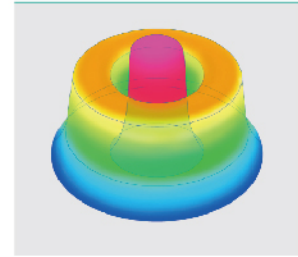


Ring Fiber

Everfoton ring fiber is designed to meet the high power output power requirements of ring structured lasers and variable beam profile lasers. Different from the single peak Gaussian distribution of traditional lasers, the beam is shaped through the ring fiber to form a Gaussian distribution laser beam in the core area and a ring laser beam around it. The parallel use of the two beams can effectively reduce the spatter of high-power laser welding.



Characteristics

- Excellent circular concentricity
- Independently adjustable power between the core and ring regions
- Full fiber solution to improve system reliability
- Customized waveguide structure and size

Applications

- High power lasers
- Welding of power battery package, automotive components, and electronic components

Specifications

Fiber Type	SI 34/48-22/102/120-22/360/650		
Part No.	SI2117-C		
Layers	Diameter(μm)		NA
Core	34.0 ± 2.0		-
First Cladding Layer	48.0 ± 4.0		0.22 ± 0.02
Second Cladding Layer	102.0 ± 5.0		-
Third Cladding Layer	120.0 ± 5.0		0.22 ± 0.02
Fourth Cladding Layer	360.0 ± 5.0		-
Inner Coating	500.0 ± 20.0		≥ 0.46
Outer Coating Diameter	650.0 ± 20.0		-
Proof Test	≥100kpsi		

Fiber Type	SI 100/130-22/300/360-22/460/650		
Part No.	SI2117-A		
Layers	Diameter(μm)		NA
Core	100.0 ± 2.0		-
First Cladding Layer	130.0 ± 4.0		0.22 ± 0.02
Second Cladding Layer	300.0 ± 5.0		-
Third Cladding Layer	360.0 ± 5.0		0.22 ± 0.02
Fourth Cladding Layer	460.0 ± 5.0		-
Inner Coating	550.0 ± 20.0		≥ 0.46
Outer Coating Diameter	650.0 ± 20.0		-
Proof Test	≥100kpsi		

Fiber Type	SI 100/130-22/600/670-22/750/950		
Part No.	SI2117-B		
Layers	Diameter(μm)		NA
Core	100.0 ± 5.0		-
First Cladding Layer	130.0 ± 8.0		0.22 ± 0.02
Second Cladding Layer	600.0 ± 10.0		-
Third Cladding Layer	670.0 ± 15.0		0.22 ± 0.02
Fourth Cladding Layer	750.0 ± 20.0		-
Inner Coating	860.0 ± 20.0		≥ 0.46
Outer Coating Diameter	950.0 ± 25.0		-
Proof Test	≥100kpsi		