



Part Number : 1068000059

Product Description : FIP Silica/Silica Optical Fiber 150µm, Polyimide, 0.22NA, Low -OH (VIS-NIR), FIP150165195

Series Number : 106800

Status : Active


Product Category : Optical Fibers

Engineering Number : 2000059

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

### Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

### EU RoHS Certificate of Compliance

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## Part Details

### General

Status	Active
Category	Optical Fibers
Series	106800

Description	FIP Silica/Silica Optical Fiber 150µm, Polyimide, 0.22NA, Low - OH (VIS-NIR), FIP150165195
Application	Industrial, Medical, Research, Scientific, and other
Catalog	<a href="http://www.molex.com/polymicro/catalog">www.molex.com/polymicro/catalog</a>
Fiber Series	FIP
More Detailed Tech Information	<a href="http://www.molex.com/polymicro/fi">www.molex.com/polymicro/fi</a>
Product Family	Polymicro Optical Fibers
Product Name	FIP Silica/Silica Optical Fiber
UPC	883906617448
White Paper-Published Articles	<a href="http://www.molex.com/polymicro/whitepapers">www.molex.com/polymicro/whitepapers</a>

## Physical

Buffer Diameter	195µm
Buffer Tolerance	± 5µm
Clad Diameter	165µm
Cladding Tolerance	± 3µm
Cladding Type	Doped Silica
Core Diameter	150µm
Core Tolerance	± 3µm
Glass Characteristic	Low -OH
Long-Term Bend Radius	2.8cm
Material - Buffer	Polyimide
Material - Glass	Synthetic Fused Silica
Net Weight	0.059/g
Numerical Aperture	0.22
Packaging Type	Spool
Proof Tested @ Minimum 100kpsi	100% for Strength
Short-Term Bend Radius	0.8cm
Temperature Range - Operating	-65° to +300°C
Wavelength Range	380nm - 2200nm (Low -OH)
Wire/Cable Type	Silica Optical Fiber

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## Use with Part(s)

Description	Part Number
Use With	Ferrules, Sleeves, SMA Connectors, and Custom Connectors

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