



Part Number : 1068000058

Series Number : 106800

Product Category : Optical Fibers


Product Description : FIP Silica/Silica Optical Fiber 100µm, Polyimide, 0.22NA, Low -OH (VIS-NIR), FIP100110125

Status : Active

Engineering Number : 2000058

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

Part Details

General

Status	Active
Category	Optical Fibers
Series	106800

Description	FIP Silica/Silica Optical Fiber 100µm, Polyimide, 0.22NA, Low -OH (VIS-NIR), FIP100110125
Application	Industrial, Medical, Research, Scientific, and other
Catalog	www.molex.com/polymicro/catalog
Fiber Series	FIP
More Detailed Tech Information	www.molex.com/polymicro/fi
Product Family	Polymicro Optical Fibers
Product Name	FIP Silica/Silica Optical Fiber
UPC	883906617431
White Paper-Published Articles	www.molex.com/polymicro/whitepapers

Physical

Buffer Diameter	125µm
Buffer Tolerance	± 3µm
Clad Diameter	110µm
Cladding Tolerance	± 3µm
Cladding Type	Doped Silica
Core Diameter	100µm
Core Tolerance	± 3µm
Glass Characteristic	Low -OH
Long-Term Bend Radius	1.9cm
Material - Buffer	Polyimide
Material - Glass	Synthetic Fused Silica
Net Weight	0.025/g
Numerical Aperture	0.22
Packaging Type	Spool
Proof Tested @ Minimum 100kpsi	100% for Strength
Short-Term Bend Radius	0.6cm
Temperature Range - Operating	-65° to +300°C
Wavelength Range	380nm - 2200nm (Low -OH)
Wire/Cable Type	Silica Optical Fiber

Use with Part(s)

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

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