

980/1550nm Fused WDM SWDM

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Product Overview

KernsTech 980/1550nm Fused WDM SWDM for Optical Fiber EDFA; Fiber Optical Laser. Technical values are manually checked against the master catalog and English translation reference.

Features Low Insertion Loss; Low Polarization Dependent Loss; High stability and reliability	Applications Optical Fiber EDFA; Fiber Optical Laser
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Technical Specifications

Parameter	Specification	Unit
Optical Fiber - Common & Pump	Corning HI1060FLEX or OFS 980-16	-
Optical Fiber - Signal	Corning HI1060FLEX or OFS 980-16	-
Wavelength	980 / 1550	nm
Bandwidth	±10 / ±20	nm
Grade - Normal Size	P / A	-
Grade - Mini Size	P / A	-
Insertion Loss - Normal Size	≤0.15 / ≤0.25	dB
Insertion Loss - Mini Size	≤0.25 / ≤0.35	dB
Isolation - Normal Size	≥20 / ≥18	dB
Isolation - Mini Size	≥20 / ≥18	dB
PDL - Normal Size	≤0.05 / ≤0.10	dB
PDL - Mini Size	≤0.05 / ≤0.10	dB
Directionality	≥55	dB
Operating Temperature	-40 to +85	°C
Storage Temperature	-40 to +85	°C
Package Options - Normal	dia. 3.0x54 / 3.0x40 / 3.0x60 / 4.0x65 / 90x20x9.5	mm
Package Options - Mini	dia. 2.4x25 / 2.4x30 / 3.0x35	mm

For wavelength, fiber, connector, package and quotation configuration, use the Component Finder at www.kernsoptic.com/contacts. Final special configurations are subject to engineering review.

Specifications Without connector. For devices with connector, IL is 0.3dB higher and RL is 5dB lower.

Package Dimensions

储存温度	℃	-40~+85		
尾纤类型		-40~+85		
		250μm bare fiber	900μm/2mm/3mm loose tube	250μm bare fiber or 165μm bare fiber
封装尺寸(φ×L)	mm	φ3.0×L54 φ3.0×L40	φ3.0×L54 φ3.0×L60 φ4×L65 90x20x9.5	Φ2.4×L25 Φ2.4×L30 Φ3.0×L35

规格不含连接器。对于带连接器的器件，IL高0.3dB,RL低5dB.



Package / routing drawing extracted from KernsTech master catalog page 96. Final package is confirmed during Engineering Review.