

PM Fused WDM FPWDM

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Product Overview

KernsTech PM Fused WDM FPWDM for EDFA; Pump Laser; Optical Cutting; Research. Technical values are manually checked against the master catalog and English translation reference.

Features Low Insertion Loss; High Return Loss; High Extinction Ratio; High Isolation	Applications EDFA; Pump Laser; Optical Cutting; Research
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Technical Specifications

Parameter	Specification	Unit
Wavelength Pairs	980/1550; 1480/1550; 980/1064; 980/1030	nm
Operating Wavelength	980±10 / 1550±15; source shows 14800±5 / 1550±5; 980±5 / 1064±5; 980±5 / 1030±5	nm
Signal Insertion Loss	≤0.7 / ≤0.7 / ≤0.8 / ≤0.8	dB
Pump Insertion Loss	≤0.7 / ≤0.7 / ≤0.8 / ≤0.8	dB
Isolation	≥18 / ≥13 / ≥13 / ≥13	dB
Extinction Ratio	≥18 / ≥17 / ≥17 / ≥17	dB
Directionality	≥55	dB
Operating Temperature	-40 to +85	°C
Configuration	1x2	-
Fiber Length	0.8 m; others on request	m
Fiber Type	Panda Fiber	-
Package Options	dia. 3.0x54 / 3.0x60 / 3.0x70 / 90x20x9.5	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.

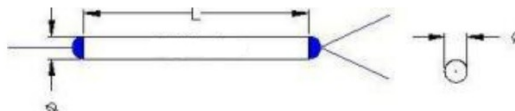
Specifications without connectors. For devices with connectors, IL is 0.3dB higher and ER is 2dB lower. / Default connector key with slow Axis Alignment. Source consistency note: the master catalog / translation line for the 1480/1550 operating wavelength displays "14800 ± 5 / 1550 ± 5". This appears inconsistent with the 1480/1550 product designation; confirm the intended 1480 nm tolerance with KernsTech Engineering before quotation.

Package Dimensions

尾纤类型		250μm bare fiber	900μm loose tube	900μm/2mm/3mm loose tube
封装尺寸(φ × L)	mm	φ3.0 × L54(P2)	φ3.0 × L60 φ3.0 × L70	L90×W20× H9.5

规格不含连接器。对于带连接器的器件，IL高0.3dB, ER低2dB。
默认连接器键与慢轴对齐。

封装尺寸



Package / routing drawing extracted from KernsTech master catalog page 107. Final package is confirmed during Engineering Review.